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Reserved
United States
Department of
Agriculture

Agricultural
Research
Service

Plant Inventory No. 188, Part I

Plant Material Introduced
January 1 to June 30, 1980
(Nos. 436991 to 443013)

PLANT MATERIAL RECORDS
CURRENT SERIAL RECORDS

APR 25 '83

PLANT MATERIAL RECORDS
CURRENT SERIAL RECORDS



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Plant Inventory No. 188 is divided into two parts that encompass PI's 436991 - 452071 for calendar year 1980. Questions about data organization and proper plant identification should be directed to the author. This inventory is a historical record of accessioned plant germplasm; it is not a listing of plant material for distribution.

Appreciation is expressed to the following persons associated with the Plant Introduction Office for their significant contributions to Plant Inventory No. 188: L. G. Garner and R. A. Norris for excellence in maintaining the PI master file integrity, data input, and output review; S. Drexler for organizing data and associated plant materials and verifying plant nomenclature; and S. Kenworthy for coordinating PI and associated records and correspondence. The efforts of J. Mowder, Communications and Data Services Division, also contributed to the highly successful and efficient operation of the PI computer system during 1980.

George A. White, agriculturalist
Beltsville Agricultural Research Center
Beltsville, Maryland 20705

436991. *Cleyera japonica* Thunb. (Theaceae).

From Japan. Donated by Kanagawa Prefectural Ofuna Botanical Garden, Kamakura, Kanagawa.
Received December 1979.

U.S. National Arboretum. NA-40589. Seed.

436992. *Ternstroemia japonica* Thunb. (Theaceae).

From Japan. Donated by Kanagawa Prefectural Ofuna Botanical Garden, Kamakura, Kanagawa.
Received December 1979.

U.S. National Arboretum. NA-40592. Seed.

436993. *Potentilla nepalensis* Hook. (Rosaceae).

From Soviet Union. Donated by Hortus Botanicus Centralis Academiae, Minsk.
Received December 1979.

U.S. National Arboretum. NA-41688. From Himalayas. Seed.

436994. *Hypericum frondosum* Michx. (Clusiaceae).

From United States. Donated by U.S. Plant Introduction Station, Germplasm Resources Laboratory, USDA, Glenn Dale, Maryland.
Received December 1979.

B-60261. Origin unknown. Wild. Plants.

436995. *Agathis australis* (Lamb.) Steud. (Araucariaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Tree, pyramidal-shaped, 9.2m to 12.3m tall. Leaves alternate, needle-like, brownish-green to olive green, about 2.54cm. Cones glaucous. Local name Kauri. Tree. Cultivated. Plants.

436996. *Arthropodium cirrhatum* (Forst. f.) R. Br. (Liliaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.

436996-continued

Received December 1979.

Collected February 1978. Grows in dry rocky places. Leaves long, strap-shaped, pointed at apex. Flowers numerous, cream to pinkish white, small, 1.9cm to 2.54cm, borne in panicles. Local name Rock lily. Perennial herb. Cultivated. Plants.

436997. *Brachyglottis repanda* J. R. & G. Forst. (Asteraceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C. Received December 1979.

Collected February 1978. Shrubs large, to 6.15m. Branches covered with white hairs. Leaves large, irregular margins, undersides covered with white pubescence, pale green. Flowers small, white, in large panicles. Local name Rangiora. Perennial woody. Cultivated. Cuttings.

436998. *Carmichaelia williamsii* T. Kirk (Fabaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C. Received December 1979.

Collected February 1978. Shrubs 1.2-2m tall. Mature plants leafless. Branches flattened, bright green. Flowers axillary, yellow with maroon veins and blotches. Perennial woody. Cultivated. Cuttings.

436999. *Carpodetus serratus* J. R. & G. Forst. (Saxifragaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C. Received December 1979.

Collected February 1978. Plants small, to 9.2m. Leaves ovate, margins coarsely serrate, dark green with yellow-green marbling on upper surface, about 2.54cm diameter. Local name Marbleleaf. Tree. Cultivated. Cuttings.

437000. *Dacrydium cupressinum* Soland ex Lamb. (Podocarpaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries,

437000-continued

Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Grows in moist situations, but drought tolerant. Plants tall, to 31m. Bark of mature trees reddish-brown, peeling off in long strips. Leaves small, needle-like, bright yellow-green, grow all around pendulous branchlets. Local name Rimu. Tree. Cultivated. Cuttings.

437001. *Entelea arborescens* R. Br. (Tiliaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Plants small, to 6.15m. Leaves large, bright green, cordate at base, three-lobed, lobes acuminate at apex, margins serrate. Flowers white, 2.45cm across, borne in cymes. Seed capsule bristled. Tree. Cultivated. Cuttings.

437002. *Fuchsia procumbens* R. Cunn. ex A. Cunn. (Onagraceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Shrubs low-growing, prostrate. Twigs slender, reddish-brown. Leaves rounded, small, 1.27cm diameter. Flowers erect. Berries magenta. Salt tolerant. Perennial woody. Cultivated. Cuttings.

437003. *Gnaphalium* sp. (Asteraceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Plants small. Leaves densely covered with hairs giving a silver-gray appearance. Flowers strawy, cream-white, about 1.3cm across, borne in flat cymes. Perennial herb. Cultivated. Cuttings.

437004. *Griselinia littoralis* Raoul (Cornaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Plants evergreen, medium-sized. Bark rough, furrowed. Twigs and leaves are bright yellow-green. Salt tolerant. Local name Broadleaf. Tree. Cultivated. Cuttings.

437005. *Hebe x andersonii* (Lindl. & Paxt.) Cockayne (Scrophulariaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

'Andersonii Variegata'. Collected February 1978. Shrubs evergreen, to 2.5m tall. Leaves variegated. Flowers violet, in axillary racemes. Perennial woody. Cultivated. Cuttings.

437006. *Hebe cupressoides* (Hook. f.) Ckn. & Allan (Scrophulariaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Shrubs evergreen, rounded, small, to 1.85m. Branchlets green when young. Leaves scale-like, closely appressed to branchlets. Flowers bluish, small. Perennial woody. Cultivated. Cuttings.

437007. *Hebe elliptica* (Forst. f.) Pennell (Scrophulariaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Shrubs evergreen, spreading, 1.85m to 2.5m. Leaves elliptic, light green. Flowers white. Salt tolerant. Local name Kokonuka. Perennial woody. Cultivated. Cuttings.

437008 TO 437009. *Hebe x franciscana* (Eastw.) Souster

437008 TO 437009-continued
(Scrophulariaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

437008. 'Blue Gem'. Collected February 1978. Shrubs evergreen, spreading to 2.5m. Flowers violet, in axillary racemes. Perennial woody. Cultivated. Cuttings.

437009. 'Waireka'. Collected February 1978. Shrubs evergreen, to 2.5m. Leaves variegated with cream-white around the margins. Perennial woody. Cultivated. Cuttings.

437010. Hebe hulkeana (F. Muell.) Ckn. & Allan (Scrophulariaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Shrubs evergreen, small to 0.9m. Leaves oblong-ovate with scalloped margins. Flowers light violet to white in large terminal inflorescence. Drought tolerant. Local name New Zealand lilac. Perennial woody. Cultivated. Cuttings.

437011. Hebe pinguifolia (Hook. f.) Ckn. & Allan (Scrophulariaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Found in subalpine scrub in dry areas. Shrubs evergreen, small to 0.3m. Leaves obovate, small. Flowers white, small. Perennial woody. Cultivated. Cuttings.

437012. Hebe salicifolia (Forst. f.) Pennell (Scrophulariaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Shrubs evergreen, to 4.6m. Leaves willow-like, bright green. Flowers white to violet, in long, somewhat pendulous racemes. Local name Koromika. Perennial woody. Cultivated. Plants.

437013. *Hebe speciosa* (A. Cunn.) Ckn. & Allan (Scrophulariaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

'Variegata'. Collected February 1978. Leaves elliptic, variegated with green and greenish white, edges magenta. Flowers magenta. May be referred to as 'Tricolor'. Cultivated. Cuttings.

437014 TO 437015. *Hebe* sp. (Scrophulariaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

437014. 'Alicia Amherst'. Collected February 1978. Shrubs evergreen, bushy, to 1.54m. Leaves opposite, elliptic, bright green. Flowers violet, in axillary racemes. Perennial woody. Cultivated. Cultivar. Cuttings.

437015. 'Anomala'. Collected February 1978. Shrubs evergreen, small, to 1.54m. Leaves small, dark green, new growth purplish. Flowers white, in terminal inflorescence. Perennial woody. Cultivated. Cultivar. Cuttings.

437016. *Hoheria populnea* A. Cunn. (Malvaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Plants small, to 9.2m tall. Flowers white, to 2.54cm across. Local name Lacebark. Tree. Cultivated. Cuttings.

437017 TO 437018. *Leptospermum scoparium* J. R. & G. Forst. (Myrtaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

437017. Collected February 1978. Shrubs to 3.7m. Bark brown, peeling in strips. Leaves narrow, needle-like, up to 1.27cm long, aromatic when crushed. Flowers small, pinkish-white. Local name Manuka. Perennial woody.

437017 TO 437018-continued
Cultivated. Cuttings.

437018. 'Autumn Glory'. Collected February 1978. Flowers double, pale to dark pink. Perennial woody. Cultivated. Cultivar. Cuttings.

437019. *Libertia ixioides* (Forst. f.) Spreng. (Iridaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Leaves narrow, leathery. Flowers white, three-petaled, about 1.27cm across. Seed capsules yellow. Local name New Zealand iris. Perennial herb. Cultivated. Cuttings.

437020. *Melicytus ramiflorus* J. R. & G. Forst. (Violaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Plants dioecious, small, to 9.2m. Bark pale whitish gray. Leaves oblong-lanceolate, margins serrate. Flowers white, small, occurring in axillary clusters borne directly on branches and twigs, very fragrant. Local name Whiteywood. Tree. Cultivated. Cuttings.

437021. *Myoporum laetum* Forst. f. (Myoporaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Plants evergreen, small, to 9.2m tall. Leaves oblong-lanceolate, bright green with translucent dots on upper surface. Tree. Cultivated. Cuttings.

437022. *Nothofagus solandrii* var. *cliffortioides* (Hook. f.) Poole (Fagaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National

437022-continued

Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Plants evergreen, to 13.85m tall. Leaves alternate, two-ranked, ovate, small, less than 1.27cm diameter. Local name Mountain beech. Tree. Cultivated. Cuttings.

437023. *Parsonsia heterophylla* A. Cunn. (Apocynaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Vine. Leaves variable in shape, brownish-green. Flowers white, fragrant, in axillary panicles up to 10.2cm long. Cultivated. Cuttings.

437024. *Phormium* sp. (Agavaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

'Bronze Baby'. Collected February 1978. Leaves strap-shaped, bronze with copper margins, up to 1.5m long. Perennial herb. Cultivated. Cultivar. Cuttings.

437025. *Phyllocladus alpinus* Hook. f. (Podocarpaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Shrubs evergreen, slow-growing, small. Leaves needle-like when juvenile, lobed when mature, glaucous, blue-green, 2.54cm to 5.1cm long. Local name Mountain Toa Toa. Perennial woody. Cultivated. Cuttings.

437026. *Pittosporum eugenioides* A. Cunn. (Pittosporaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

437026-continued

Collected February 1978. Plants small. Bark pale. Leaves alternate, elliptic with wavy margins. Flowers yellow, in compound inflorescence. Freshly broken wood or leaves have lemon-like scent. Local name Lemonwood. Tree. Cultivated. Plants.

437027. *Pittosporum tenuifolium* Gaertn. (Pittosporaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Plants evergreen, small. Bark almost black. Leaves light green with whitish midrib. Flowers small, dark brown, fragrant. Tree. Cultivated. Cuttings.

437028. *Podocarpus dacrydioides* A. Rich. (Podocarpaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Found in moist locations. Plants evergreen, to 50m tall. Leaves needle-like, two-ranked on juvenile plant but grow all around twigs of mature plant, dark green. Local name White pine. Tree. Cultivated. Cuttings.

437029. *Podocarpus totara* Genn. ex Don. (Podocarpaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Plants evergreen, large, to 31m tall. Leaves linear, olive green, about 2.54cm long. Tree. Cultivated. Cuttings.

437030. *Pseudopanax crassifolius* (Soland. ex A. Cunn.) C. Koch (Araliaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.

437030-continued

Received December 1979.

Collected February 1978. Plants round-headed, small, about 4.6m tall. Several distinct juvenile stages which persist 15 to 20 years. Mature bark smooth, gray-brown. Crown dense, bushy. Leaves dark brown-green on upper surface, light green below, prominent midrib. Drought tolerant. Local name lancewood. Tree. Cultivated. Cuttings.

437031. *Pseudowintera colorata* (Raoul) Dandy (Winteraceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Shrubs evergreen, slow-growing, to 2.5m. Leaves broadly elliptic, light green with narrow maroon margin and irregular maroon markings, aromatic when crushed. Local name Pepper tree. Perennial woody. Cultivated. Cuttings.

437032. *Senecio bennettii* Simpson & Thomp. (Asteraceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Shrubs evergreen, low, 1.2-1.5m. Young branches tomentose. Leaves leathery, dark green, densely tomentose on underside, making underside nearly white. Perennial woody. Cultivated. Cuttings.

437033. *Solanum laciniatum* Ait. (Solanaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Shrubs semi-woody, 1.85-2.5m. Leaves pinnatifid with variable number of lobes, 10.2cm to 20.3cm long. Flowers flat, violet, about 2.5cm across. Berries bright orange, 1.3 to 1.9cm in diameter. Perennial woody. Cultivated. Cuttings.

437034. *Sophora microphylla* Ait. (Fabaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Plants deciduous, small, to 9.2m. Leaves pinnately compound, leaflets 0.6cm to 1.3cm in diameter. Flowers showy, yellow, borne in racemes. Local name Kowhai. Tree. Cultivated. Plants.

437035. *Sophora tetraptera* J. Miller (Fabaceae).

From New Zealand. Donated by Joyce Sanson, Koromiko Nurseries, Dunedin. Received through Margot Williams, U.S. National Arboretum, Washington, D.C.
Received December 1979.

Collected February 1978. Plants deciduous, small, 4.6m to 6.15m. Leaves pinnate, leaflets 3.8cm in diameter. Flowers golden yellow, borne in racemes. Local name Kowhai. Tree. Cultivated. Plants.

437036. *Malus sylvestris* Mill. (Rosaceae) Paradise apple.

From Romania. Collected by L. F. Hough, Department of Horticulture, Rutgers University, New Brunswick, New Jersey.
Received December 1979.

'Aromat de Vara'. Tree. Cultivar. Budwood.

437037. *Malus sylvestris* Mill. (Rosaceae) Paradise apple.

From Israel. Donated by Agricultural Research Organization Volcani Center, Bet Dagan.
Received December 1979.

'Ein Shemer 28'. Tree. Cultivar. Budwood.

437038 TO 437047. *Malus sylvestris* Mill. (Rosaceae) Paradise apple.

From Poland. Donated by Research Institute of Pomology, Pomologiczna 18.
Received December 1979.

437038. Budagovsky 57-146. Tree. Cultivated. Budwood.

437039. Budagovsky 57-233. Tree. Cultivated. Budwood.

437038 TO 437047-continued

437040. P-1. See PI 316495. Tree. Cultivated. Budwood.

437041. P-2. See PI 316496. Tree. Cultivated. Budwood.

437042. P-13. Tree. Cultivated. Budwood.

437043. P-14. Tree. Cultivated. Budwood.

437044. P-16. Tree. Cultivated. Budwood.

437045. P-18. Tree. Cultivated. Budwood.

437046. P-22. Tree. Cultivated. Budwood.

437047. 'Red Ralls'. Tree. Cultivar. Budwood.

437048 TO 437050. *Malus sylvestris* Mill. (Rosaceae) Paradise apple.

From Canada. Donated by Carrot Valley Nursery, Saskatoon, Saskatchewan.

Received December 1979.

437048. 'Shelley'. Tree. Cultivar. Budwood.

437049. 'Tasty'. Tree. Cultivar. Budwood.

437050. 'Torch River'. Tree. Cultivar. Budwood.

437051. *Pyrus communis* L. (Rosaceae) Pear.

From Canada. Donated by Carrot Valley Nursery, Saskatoon, Saskatchewan.

Received December 1979.

'Jubilee'. Tree. Cultivar. Budwood.

437052. *Malus sylvestris* Mill. (Rosaceae) Paradise apple.

From Hungary. Donated by S. Kovacs, Fruit Growing Department, University of Horticulture, Budapest.

Received December 1979.

'Egri Piros'. Tree. Cultivar. Budwood.

437053 TO 437054. *Malus sylvestris* Mill. (Rosaceae) Paradise apple.

From New Zealand. Donated by Department of Scientific & Industrial Research, Plant Diseases Division, Auckland.

437053 TO 437054-continued
Received December 1979.

437053. 'Royal Gala'. Tree. Cultivar. Budwood.

437054. 'Splendour'. Tree. Cultivar. Budwood.

437055. *Malus baccata* (L.) Borkh. (Rosaceae) Siberian crabapple.

From United Kingdom. Donated by East Malling Research Station,
East Malling, Maidstone, Kent, England.
Received December 1979.

Received as *M. baccata flexilis*. Tree. Cultivated.
Budwood.

437056. *Malus x moerlandsii* Doorenbos (Rosaceae).

From United Kingdom. Donated by East Malling Research Station,
East Malling, Maidstone, Kent, England.
Received December 1979.

Tree. Cultivated. Budwood.

437057. *Malus* sp. (Rosaceae).

From United Kingdom. Donated by East Malling Research Station,
East Malling, Maidstone, Kent, England.
Received December 1979.

'Roberts Crab'. Tree. Cultivar. Budwood.

437058. *Malus sylvestris* Mill. (Rosaceae) Paradise apple.

From United Kingdom. Donated by East Malling Research Station,
East Malling, Maidstone, Kent, England.
Received December 1979.

'Malus 13'. Tree. Cultivar. Budwood.

437059. *Malus trilobata* (Labill.) C. Schneid. (Rosaceae).

From United Kingdom. Donated by East Malling Research Station,
East Malling, Maidstone, Kent, England.
Received December 1979.

Tree. Cultivated. Budwood.

437060. *Pyrus communis* L. (Rosaceae) Pear.

From United Kingdom. Donated by National Fruit Trials, Brogdale Farm, Ministry of Agriculture, Fisheries, and Food, Faversham, Kent, England.
Received December 1979.

'Onward'. Tree. Cultivar. Budwood.

437061 TO 437062. *Malus sylvestris* Mill. (Rosaceae) Paradise apple.

From Bulgaria. Donated by Bulgarian Department of Horticulture, Sofia.
Received December 1979.

437061. 'Aivania'. Tree. Cultivar. Budwood.

437062. 'Karastojanka'. Tree. Cultivar. Budwood.

437063. *Malus sylvestris* Mill. (Rosaceae) Paradise apple.

From India. Donated by National Bureau of Plant Genetic Resources, IARI, New Delhi.
Received December 1979.

'Maharaji'. From vicinity of Srinagar. Tree. Cultivar.
Budwood.

437064. *Malus sylvestris* Mill. (Rosaceae) Paradise apple.

From Pakistan. Donated by Pome and Nut Fruits Projects, Agricultural Research Institute, Tarnab, Peshawar.
Received December 1979.

'Yar Mohammadi'. Fruits yellow, seedless. Maturity late.
Origin unknown. Tree. Cultivar. Budwood.

437065. *Pyrus communis* L. (Rosaceae) Pear.

From France. Donated by INRA, Station de Recherches d'Arboriculture Fruitiere, 49000 Angers.
Received December 1979.

'General Leclerc'. Tree. Cultivar. Budwood.

437066 TO 437067. *Pyrus communis* L. (Rosaceae) Pear.

From South Africa. Donated by Fruit and Fruit Technology Research Institute, Stellenbosch.

437066 TO 437067-continued
Received December 1979.

437066. 'B-11'. Tree. Cultivar. Budwood.

437067. 'B-12'. Tree. Cultivar. Budwood.

437068. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Sudan. Donated by A.M.B. El-Ahamdi, Sennar Research
Substation, Sennar.
Received July 1979.

NA 2/40. Virginia-type. Pods two segmented. Testa pink
or brown. Tolerant to *Aspergillus flavus*. Cultivated.
Seed.

437069 TO 438513. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From Soviet Union. Donated by N. I. Korsakov, Division of Grain
Legume Crops, Vavilov Institute of Plant Industry, Leningrad.
Received August 1979.

437069. VIR 4118. A-79. Amur Region, USSR. Seed.

437070. VIR 4978. A-0521. Amur Region, USSR. Seed.

437071. VIR 4977. A-0937. Amur Region, USSR. Seed.

437072. VIR 4114. Amurscaja 21. Amur Region, USSR. Seed.

437073. VIR 4112. Amurscaja 41. Amur Region, USSR. Seed.

437074. VIR 4385. Amurscaja 45. Amur Region, USSR. Seed.

437075. VIR 4122. Amurscaja 57. Amur Region, USSR. Seed.

437076. VIR 4123. Amurscaja 116. Amur Region, USSR. Seed.

437077. VIR 4115. Amurscaja 154. Amur Region, USSR. Seed.

437078. VIR 4954. Amurscaja 259. Amur Region, USSR. Seed.

437079. VIR 4872. Amurscaja 261. Amur Region, USSR. Seed.

437080. VIR 4956. Amurscaja 263. Amur Region, USSR. Seed.

437081. VIR 5568. Amurscaja 293. Amur Region, USSR. Seed.

437082. VIR 5567. Amurscaja 305. Amur Region, USSR. Seed.

437083. VIR 3743. Amurscaja Zeltaja. Amur Region, USSR. Seed.

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- 437084. VIR 4982. Nadezda. Amur Region, USSR. Seed.
- 437085. VIR 5819. Zeja 2. Amur Region, USSR. Seed.
- 437086. VIR 4568. DV-88. Far East, USSR. Seed.
- 437087. VIR 4570. DV-146. Far East, USSR. Seed.
- 437088. VIR 4578. DV-147. Far East, USSR. Seed.
- 437089. VIR 4581. DV-166. Far East, USSR. Seed.
- 437090. VIR 4572. DV-206. Far East, USSR. Seed.
- 437091. VIR 4573. DV-225. Far East, USSR. Seed.
- 437092. VIR 4579. DV-398. Far East, USSR. Seed.
- 437093. VIR 4566. DV-424. Far East, USSR. Seed.
- 437094. VIR 4567. DV-529. Far East, USSR. Seed.
- 437095. VIR 4571. DV-529. Far East, USSR. Seed.
- 437096. VIR 5015. DV-1477. Far East, USSR. Seed.
- 437097. VIR 4577. DV-1781. Far East, USSR. Seed.
- 437098. VIR 4569. DV-2407/2-1. Far East, USSR. Seed.
- 437099. VIR 5006. DV-0117. Far East, USSR. Seed.
- 437100. VIR 5009. DV-0140. Far East, USSR. Seed.
- 437101. VIR 5008. DV-0197. Far East, USSR. Seed.
- 437102. VIR 5014. DV-0220. Far East, USSR. Seed.
- 437103. VIR 5007. DV-0300. Far East, USSR. Seed.
- 437104. VIR 5010. DV-0804. Far East, USSR. Seed.
- 437105. VIR 1014. Gunczulinskaja. Far East, USSR. Seed.
- 437106. VIR 5301. I-302. Far East, USSR. Seed.
- 437107. VIR 5303. Z-705. Far East, USSR. Seed.
- 437108. VIR 5117. Zheltaja 1038. Far East, USSR. Seed.
- 437109. VIR 243. Far East, USSR. Seed.

437069 TO 438513-continued

- 437110. VIR 244. Far East, USSR. Seed.
- 437111. VIR 248. Far East, USSR. Seed.
- 437112. VIR 249. Far East, USSR. Seed.
- 437113. VIR 251. Far East, USSR. Seed.
- 437114. VIR 252. Far East, USSR. Seed.
- 437115. VIR 254. Far East, USSR. Seed.
- 437116. VIR 521. Far East, USSR. Seed.
- 437117. VIR 532. Far East, USSR. Seed.
- 437118. VIR 535. Far East, USSR. Seed.
- 437119. VIR 1016. Far East, USSR. Seed.
- 437120. VIR 1017. Far East, USSR. Seed.
- 437121. VIR 1023. Far East, USSR. Seed.
- 437122. VIR 1026. Far East, USSR. Seed.
- 437123. VIR 4575. Far East, USSR. Seed.
- 437124. VIR 4885. Gurijscaja. Georgian SSR. Seed.
- 437125. VIR 4993. Gurijscaja 0565. Georgian SSR. Seed.
- 437126. VIR 4884. Imeretinscaja. Georgian SSR. Seed.
- 437127. VIR 5596. Imeretinscaja. Georgian SSR. Seed.
- 437128. VIR 5242. Georgian SSR. Seed.
- 437129. VIR 555. Irkutsk Region, USSR. Seed.
- 437130. VIR 5050. Gibrid ASS 9. Kazakh SSR. Seed.
- 437131. VIR 5054. Gibrid ASS 13. Kazakh SSR. Seed.
- 437132. VIR 5051. Gibrid ASS 15. Kazakh SSR. Seed.
- 437133. VIR 5056. Gibrid ASS 20. Kazakh SSR. Seed.
- 437134. VIR 5046. Gibrid ASS 21. Kazakh SSR. Seed.
- 437135. VIR 4964. Amurzejscaja. Khabarovsk Province, USSR. Seed.

437069 TO 438513-continued

437136. VIR 5694. Chabarovscaja. Khabarovsk Province, USSR. Seed.
437137. VIR 4957. Chabarovscaja 3. Khabarovsk Province, USSR. Seed.
437138. VIR 4963. Chabarovscaja 4. Khabarovsk Province, USSR. Seed.
437139. VIR 5258. Chabarovscaja 5. Khabarovsk Province, USSR. Seed.
437140. VIR 5259. Dol'nevostornaja 913. Khabarovsk Province, USSR. Seed.
437141. VIR 4376. DV-2396. Khabarovsk Province, USSR. Seed.
437142. VIR 4379. DV-2397. Khabarovsk Province, USSR. Seed.
437143. VIR 4377. DV-2398. Khabarovsk Province, USSR. Seed.
437144. VIR 4966. DVIZ-13-484. Khabarovsk Province, USSR. Seed.
437145. VIR 4967. DVIZ-13-563. Khabarovsk Province, USSR. Seed.
437146. VIR 4965. I-309. Khabarovsk Province, USSR. Seed.
437147. VIR 4958. Primorscaja 71. Khabarovsk Province, USSR. Seed.
437148. VIR 4959. Z-475. Khabarovsk Province, USSR. Seed.
437149. VIR 4989. Colhoznaja 18. Krasnodar Province, USSR. Seed.
437150. VIR 5245. Cormovaja 28. Krasnodar Province, USSR. Seed.
437151. VIR 4981. COS-578. Krasnodar Province, USSR. Seed.
437152. VIR 4988. Cubanscaja 19. Krasnodar Province, USSR. Seed.
437153. VIR 5573. Cubanscaja 33. Krasnodar Province, USSR. Seed.
437154. VIR 4386. Cubanscaja 52. Krasnodar Province, USSR. Seed.
437155. VIR 3974. Cubanscaja 276. Krasnodar Province, USSR. Seed.
437156. VIR 4991. Cubanscaja 396. Krasnodar Province, USSR. Seed.
437157. VIR 4546. Cubanscaja 3824. Krasnodar Province, USSR. Seed.
437158. VIR 4547. Cubanscaja 3951. Krasnodar Province, USSR. Seed.

437069 TO 438513-continued

437159. VIR 5619. Gibrid 29. Krasnodar Province, USSR. Seed.
437160. VIR 5649. Krasnodarscaja 13. Krasnodar Province, USSR. Seed.
437161. VIR 5650. Krasnodarscaja 16. Krasnodar Province, USSR. Seed.
437162. VIR 4544. Krasnodarscaja 585. Krasnodar Province, USSR. Seed.
437163. VIR 4543. Krasnodarscaja 944. Krasnodar Province, USSR. Seed.
437164. VIR 5651. Nepolegajusaja 2. Krasnodar Province, USSR. Seed.
437165. VIR 5244. Toncostebel'naja 27. Krasnodar Province, USSR. Seed.
437166. VIR 4545. Vniimc 8012. Krasnodar Province, USSR. Seed.
437167. VIR 4983. VNIISC-1. Krasnodar Province, USSR. Seed.
437168. VIR 4984. VNIISC-2. Krasnodar Province, USSR. Seed.
437169. VIR 4986. VNIISC-4. Krasnodar Province, USSR. Seed.
437170. VIR 4987. VNIISC-7. Krasnodar Province, USSR. Seed.
437171. VIR 4205. Krasnodar Province, USSR. Seed.
437172. VIR 5083. Belaja Vu 4107. Kuybyshev Region, USSR. Seed.
437173. VIR 5084. Chernaja Vu 4108. Kuybyshev Region, USSR. Seed.
437174. VIR 4974. Cujbysevscaja 70. Kuybyshev Region, USSR. Seed.
437175. VIR 4394. Cujbysevscaja 77. Kuybyshev Region, USSR. Seed.
437176. VIR 5121. Bulduri. Latvian SSR. Seed.
437177. VIR 5120. Dindone. Latvian SSR. Seed.
437178. VIR 5123. Dindone 1. Latvian SSR. Seed.
437179. VIR 4904. COS 53. Lithuanian SSR. Seed.
437180. VIR 4907. DSS 19. Lithuanian SSR. Seed.
437181. VIR 4912. DSS 2527. Lithuanian SSR. Seed.

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- 437182. VIR 4917. DSS 2528. Lithuanian SSR. Seed.
- 437183. VIR 4905. DSS Juodon. Lithuanian SSR. Seed.
- 437184. VIR 4914. M-2. Lithuanian SSR. Seed.
- 437185. VIR 4902. M-4. Lithuanian SSR. Seed.
- 437186. VIR 4911. M-5. Lithuanian SSR. Seed.
- 437187. VIR 4048. Pintars. Lithuanian SSR. Seed.
- 437188. VIR 4915. Vajva. Lithuanian SSR. Seed.
- 437189. VIR 5069. Bel'tscaja 636. Moldavian SSR. Seed.
- 437190. VIR 4832. Bessarabea III. Moldavian SSR. Seed.
- 437191. VIR 4856. Bessarabea III. Moldavian SSR. Seed.
- 437192. VIR 4858. Bessarabea III. Moldavian SSR. Seed.
- 437193. VIR 4724. Bessarabea 616. Moldavian SSR. Seed.
- 437194. VIR 4870. Bessarabea 645. Moldavian SSR. Seed.
- 437195. VIR 4815. Bessarabea 727. Moldavian SSR. Seed.
- 437196. VIR 4840. Bessarabea 1086. Moldavian SSR. Seed.
- 437197. VIR 5691. Biruintsa 12. Moldavian SSR. Seed.
- 437198. VIR 4860. Brynzenscaja. Moldavian SSR. Seed.
- 437199. VIR 4800. Corichevaja 43. Moldavian SSR. Seed.
- 437200. VIR 5145. CSchi 2. Moldavian SSR. Seed.
- 437201. VIR 5155. CSchi 15. Moldavian SSR. Seed.
- 437202. VIR 5159. CSchi 19. Moldavian SSR. Seed.
- 437203. VIR 5163. CSchi 23. Moldavian SSR. Seed.
- 437204. VIR 5165. CSchi 25. Moldavian SSR. Seed.
- 437205. VIR 5171. CSchi 31. Moldavian SSR. Seed.
- 437206. VIR 5172. CSchi 32. Moldavian SSR. Seed.
- 437207. VIR 5174. CSchi 34. Moldavian SSR. Seed.

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437208. VIR 5175. CSchi 35. Moldavian SSR. Seed.
437209. VIR 5176. CSchi 36. Moldavian SSR. Seed.
437210. VIR 5182. CSchi 43. Moldavian SSR. Seed.
437211. VIR 5183. CSchi 44. Moldavian SSR. Seed.
437212. VIR 5185. CSchi 47. Moldavian SSR. Seed.
437213. VIR 5146. CSchi 99. Moldavian SSR. Seed.
437214. VIR 4716. CSchi 599. Moldavian SSR. Seed.
437215. VIR 4717. CSchi 608. Moldavian SSR. Seed.
437216. VIR 5140. CSchi 615. Moldavian SSR. Seed.
437217. VIR 4775. CSchi 618. Moldavian SSR. Seed.
437218. VIR 4733. CSchi 625. Moldavian SSR. Seed.
437219. VIR 4738. CSchi 630. Moldavian SSR. Seed.
437220. VIR 4739. CSchi 631. Moldavian SSR. Seed.
437221. VIR 4745. CSchi 639. Moldavian SSR. Seed.
437222. VIR 4770. CSchi 671. Moldavian SSR. Seed.
437223. VIR 4771. CSchi 672. Moldavian SSR. Seed.
437224. VIR 4772. CSchi 675. Moldavian SSR. Seed.
437225. VIR 4773. CSchi 676. Moldavian SSR. Seed.
437226. VIR 4774. CSchi 678. Moldavian SSR. Seed.
437227. VIR 5143. CSchi 693. Moldavian SSR. Seed.
437228. VIR 5144. CSchi 694. Moldavian SSR. Seed.
437229. VIR 5142. CSchi 709. Moldavian SSR. Seed.
437230. VIR 5141. CSchi 710. Moldavian SSR. Seed.
437231. VIR 4801. CSchi 711. Moldavian SSR. Seed.
437232. VIR 4802. CSchi 712. Moldavian SSR. Seed.
437233. VIR 4804. CSchi 714. Moldavian SSR. Seed.

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437234. VIR 4805. CSchi 715. Moldavian SSR. Seed.
437235. VIR 4807. CSchi 717. Moldavian SSR. Seed.
437236. VIR 4819. CSchi 731. Moldavian SSR. Seed.
437237. VIR 4822. CSchi 737. Moldavian SSR. Seed.
437238. VIR 4859. CSchi 1006. Moldavian SSR. Seed.
437239. VIR 5139. CSchi 1062. Moldavian SSR. Seed.
437240. VIR 4828. CSchi 1069. Moldavian SSR. Seed.
437241. VIR 5135. CSchi 1075. Moldavian SSR. Seed.
437242. VIR 4836. CSchi 1081. Moldavian SSR. Seed.
437243. VIR 4838. CSchi 1083. Moldavian SSR. Seed.
437244. VIR 5137. CSchi 1085. Moldavian SSR. Seed.
437245. VIR 5138. CSchi 1086. Moldavian SSR. Seed.
437246. VIR 4841. CSchi 1087. Moldavian SSR. Seed.
437247. VIR 4842. CSchi 1089. Moldavian SSR. Seed.
437248. VIR 4843. CSchi 1090. Moldavian SSR. Seed.
437249. VIR 4046. Dobruzanca. Moldavian SSR. Seed.
437250. VIR 4744. Dobruzanca 12. Moldavian SSR. Seed.
437251. VIR 4778. Dobruzanca 18. Moldavian SSR. Seed.
437252. VIR 4764. Dobruzanca 21. Moldavian SSR. Seed.
437253. VIR 4781. Dobruzanca 29. Moldavian SSR. Seed.
437254. VIR 4753. Dobruzanca 35. Moldavian SSR. Seed.
437255. VIR 4766. Dobruzanca 37. Moldavian SSR. Seed.
437256. VIR 4788. Dobruzanca 41. Moldavian SSR. Seed.
437257. VIR 4820. Dobruzanca 47. Moldavian SSR. Seed.
437258. VIR 4970. Dobruzanca 522. Moldavian SSR. Seed.
437259. VIR 4736. Dobruzanca 628. Moldavian SSR. Seed.

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- 437260. VIR 4737. Dobruzanca 629. Moldavian SSR. Seed.
- 437261. VIR 4793. Dobruzanca 700. Moldavian SSR. Seed.
- 437262. VIR 4824. Dobruzanca 710. Moldavian SSR. Seed.
- 437263. VIR 4786. Dobruzanca B. Moldavian SSR. Seed.
- 437264. VIR 4747. Dobruzanca B-642. Moldavian SSR. Seed.
- 437265. VIR 4718. Dobruzanca D. Moldavian SSR. Seed.
- 437266. VIR 4847. Dobruzanca S. Moldavian SSR. Seed.
- 437267. VIR 4767. Dobruzanca I. Moldavian SSR. Seed.
- 437268. VIR 4757. Dobruzanca IV. Moldavian SSR. Seed.
- 437269. VIR 4727. Dobruzanca V. Moldavian SSR. Seed.
- 437270. VIR 4355. Errj 424. Moldavian SSR. Seed.
- 437271. VIR 4880. Moldavscaja 65. Moldavian SSR. Seed.
- 437272. VIR 4047. Rajner. Moldavian SSR. Seed.
- 437273. VIR 4844. Scorospelca 3. Moldavian SSR. Seed.
- 437274. VIR 5653. Scorospelca ulutssennaja. Moldavian SSR. Seed.
- 437275. VIR 4728. Staroucrainea. Moldavian SSR. Seed.
- 437276. VIR 4550. Vengerca nizcaja. Moldavian SSR. Seed.
- 437277. VIR 5654. Vysocoroslaja 1. Moldavian SSR. Seed.
- 437278. VIR 4922. Moldavian SSR. Seed.
- 437279. VIR 4923. Moldavian SSR. Seed.
- 437280. VIR 4924. Moldavian SSR. Seed.
- 437281. VIR 4925. Moldavian SSR. Seed.
- 437282. VIR 4926. Moldavian SSR. Seed.
- 437283. VIR 4927. Moldavian SSR. Seed.
- 437284. VIR 4928. Moldavian SSR. Seed.
- 437285. VIR 4929. Moldavian SSR. Seed.

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- 437286. VIR 4930. Moldavian SSR. Seed.
- 437287. VIR 4931. Moldavian SSR. Seed.
- 437288. VIR 4932. Moldavian SSR. Seed.
- 437289. VIR 4933. Moldavian SSR. Seed.
- 437290. VIR 4936. Moldavian SSR. Seed.
- 437291. VIR 4937. Moldavian SSR. Seed.
- 437292. VIR 4938. Moldavian SSR. Seed.
- 437293. VIR 4939. Moldavian SSR. Seed.
- 437294. VIR 4940. Moldavian SSR. Seed.
- 437295. VIR 4943. Moldavian SSR. Seed.
- 437296. VIR 4944. Moldavian SSR. Seed.
- 437297. VIR 4945. Moldavian SSR. Seed.
- 437298. VIR 4947. Moldavian SSR. Seed.
- 437299. VIR 4949. Moldavian SSR. Seed.
- 437300. VIR 4950. Moldavian SSR. Seed.
- 437301. VIR 4951. Moldavian SSR. Seed.
- 437302. VIR 4952. Moldavian SSR. Seed.
- 437303. VIR 4953. Moldavian SSR. Seed.
- 437304. VIR 5521. Timirjazevscaja 144. Moscow Region, USSR. Seed.
- 437305. VIR 4558. Gorscaja 1. North Osetian ASSR. Seed.
- 437306. VIR 4559. Gorscaja 39. North Osetian ASSR. Seed.
- 437307. VIR 4555. Gorscaja 153. North Osetian ASSR. Seed.
- 437308. VIR 4554. Gorscaja 184. North Osetian ASSR. Seed.
- 437309. VIR 4552. Gorscaja 278. North Osetian ASSR. Seed.
- 437310. VIR 4557. Gorscaja 373. North Osetian ASSR. Seed.
- 437311. VIR 4553. Gorscaja 384. North Osetian ASSR. Seed.

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- 437312. VIR 5692. Osetinscaja 132. North Osetian ASSR. Seed.
- 437313. VIR 5294. Dal'nevostocnaja 370. Novosibirsk Region, USSR. Seed.
- 437314. VIR 5261. Novosibirscaja 1. Novosibirsk Region, USSR. Seed.
- 437315. VIR 5597. Novosibirscaja 2. Novosibirsk Region, USSR. Seed.
- 437316. VIR 4347. Amurscaja 43. Primorsky Province, USSR. Seed.
- 437317. VIR 4605. Anucinscaja mestnaja. Primorsky Province, USSR. Seed.
- 437318. VIR 4541. B-151. Primorsky Province, USSR. Seed.
- 437319. VIR 5000. Chabaro. Primorsky Province, USSR. Seed.
- 437320. VIR 5001. Csjuga. Primorsky Province, USSR. Seed.
- 437321. VIR 4996. Dunganscaja 462. Primorsky Province, USSR. Seed.
- 437322. VIR 4998. Dunganscaja 471. Primorsky Province, USSR. Seed.
- 437323. VIR 4999. Dunganscaja Zelena. Primorsky Province, USSR. Seed.
- 437324. VIR 4102. DV-28. Primorsky Province, USSR. Seed.
- 437325. VIR 4104. DV-117. Primorsky Province, USSR. Seed.
- 437326. VIR 4106. DV-184. Primorsky Province, USSR. Seed.
- 437327. VIR 4107. DV-220. Primorsky Province, USSR. Seed.
- 437328. VIR 4105. DV-428. Primorsky Province, USSR. Seed.
- 437329. VIR 4108. DV-497/2. Primorsky Province, USSR. Seed.
- 437330. VIR 4372. DV-2336. Primorsky Province, USSR. Seed.
- 437331. VIR 4345. DV-2338. Primorsky Province, USSR. Seed.
- 437332. VIR 4375. DV-2371. Primorsky Province, USSR. Seed.
- 437333. VIR 4382. DV-2399. Primorsky Province, USSR. Seed.
- 437334. VIR 4380. DV-2400. Primorsky Province, USSR. Seed.

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437335. VIR 4383. DV-2400. Primorsky Province, USSR. Seed.
437336. VIR 4384. DV-2411. Primorsky Province, USSR. Seed.
437337. VIR 4612. DV-2601. Primorsky Province, USSR. Seed.
437338. VIR 4613. DV-2602. Primorsky Province, USSR. Seed.
437339. VIR 4610. DV-2996. Primorsky Province, USSR. Seed.
437340. VIR 4350. DVIZ 1477. Primorsky Province, USSR. Seed.
437341. VIR 5605. Gibrid 1126. Primorsky Province, USSR. Seed.
437342. VIR 4167. Gunczulinscaja 529. Primorsky Province, USSR. Seed.
437343. VIR 5131. Krasnoarmejscaja. Primorsky Province, USSR. Seed.
437344. VIR 5606. L-1088. Primorsky Province, USSR. Seed.
437345. VIR 5776. Polucul'turnaja. Primorsky Province, USSR. Seed.
437346. VIR 4124. Primorscaja 1. Primorsky Province, USSR. Seed.
437347. VIR 4168. Primorscaja 8. Primorsky Province, USSR. Seed.
437348. VIR 5572. Primorscaja 71. Primorsky Province, USSR. Seed.
437349. VIR 5622. Primorscaja 494. Primorsky Province, USSR. Seed.
437350. VIR 5623. Primorscaja 500. Primorsky Province, USSR. Seed.
437351. VIR 5548. Primorscaja 762. Primorsky Province, USSR. Seed.
437352. VIR 4599. Sancahe 352/C. Primorsky Province, USSR. Seed.
437353. VIR 3748. Savicevskaja-7. Primorsky Province, USSR. Seed.
437354. VIR 3752. Savicevskaja-109. Primorsky Province, USSR. Seed.
437355. VIR 4220. Ussurijscaja 11. Primorsky Province, USSR. Seed.
437356. VIR 4207. Ussurijscaja 19. Primorsky Province, USSR. Seed.

437069 TO 438513-continued

437357. VIR 4219. Ussurijscaja 43. Primorsky Province, USSR.
Seed.
437358. VIR 4161. Ussurijscaja 56-147. Primorsky Province, USSR.
Seed.
437359. VIR 4152. Ussurijscaja 64. Primorsky Province, USSR.
Seed.
437360. VIR 4209. Ussurijscaja 88. Primorsky Province, USSR.
Seed.
437361. VIR 4160. Ussurijscaja 134. Primorsky Province, USSR.
Seed.
437362. VIR 4154. Ussurijscaja 138. Primorsky Province, USSR.
Seed.
437363. VIR 4181. Ussurijscaja 142. Primorsky Province, USSR.
Seed.
437364. VIR 4126. Ussurijscaja 153. Primorsky Province, USSR.
Seed.
437365. VIR 4208. Ussurijscaja 154. Primorsky Province, USSR.
Seed.
437366. VIR 5547. Ussurijscaja 155. Primorsky Province, USSR.
Seed.
437367. VIR 4159. Ussurijscaja 171. Primorsky Province, USSR.
Seed.
437368. VIR 4162. Ussurijscaja 187. Primorsky Province, USSR.
Seed.
437369. VIR 4125. Ussurijscaja 190. Primorsky Province, USSR.
Seed.
437370. VIR 4177. Ussurijscaja 197. Primorsky Province, USSR.
Seed.
437371. VIR 4171. Ussurijscaja 211. Primorsky Province, USSR.
Seed.
437372. VIR 4173. Ussurijscaja 243. Primorsky Province, USSR.
Seed.
437373. VIR 4178. Ussurijscaja 245. Primorsky Province, USSR.
Seed.
437374. VIR 4172. Ussurijscaja 267 Primorsky Province, USSR.

437069 TO 438513-continued
Seed.

- 437375. VIR 4179. Ussurijscaja 300. Primorsky Province, USSR.
Seed.
- 437376. VIR 4164. Ussurijscaja 308. Primorsky Province, USSR.
Seed.
- 437377. VIR 4129. Ussurijscaja 332. Primorsky Province, USSR.
Seed.
- 437378. VIR 4174. Ussurijscaja 429. Primorsky Province, USSR.
Seed.
- 437379. VIR 4130. Ussurijscaja 431. Primorsky Province, USSR.
Seed.
- 437380. VIR 4183. Ussurijscaja 432. Primorsky Province, USSR.
Seed.
- 437381. VIR 4131. Ussurijscaja 434. Primorsky Province, USSR.
Seed.
- 437382. VIR 4184. Ussurijscaja 443. Primorsky Province, USSR.
Seed.
- 437383. VIR 4186. Ussurijscaja 446. Primorsky Province, USSR.
Seed.
- 437384. VIR 4187. Ussurijscaja 449. Primorsky Province, USSR.
Seed.
- 437385. VIR 4188. Ussurijscaja 450. Primorsky Province, USSR.
Seed.
- 437386. VIR 4133. Ussurijscaja 451. Primorsky Province, USSR.
Seed.
- 437387. VIR 4135. Ussurijscaja 452. Primorsky Province, USSR.
Seed.
- 437388. VIR 4134. Ussurijscaja 454. Primorsky Province, USSR.
Seed.
- 437389. VIR 4136. Ussurijscaja 456. Primorsky Province, USSR.
Seed.
- 437390. VIR 4137. Ussurijscaja 458. Primorsky Province, USSR.
Seed.
- 437391. VIR 4138. Ussurijscaja 459. Primorsky Province, USSR.
Seed.

437069 TO 438513-continued

- 437392. VIR 4139. Ussurijscaja 461. Primorsky Province, USSR. Seed.
- 437393. VIR 4140. Ussurijscaja 462. Primorsky Province, USSR. Seed.
- 437394. VIR 4141. Ussurijscaja 466. Primorsky Province, USSR. Seed.
- 437395. VIR 4142. Ussurijscaja 468. Primorsky Province, USSR. Seed.
- 437396. VIR 4143. Ussurijscaja 470. Primorsky Province, USSR. Seed.
- 437397. VIR 4144. Ussurijscaja 477. Primorsky Province, USSR. Seed.
- 437398. VIR 4192. Ussurijscaja 479. Primorsky Province, USSR. Seed.
- 437399. VIR 4194. Ussurijscaja 482. Primorsky Province, USSR. Seed.
- 437400. VIR 4195. Ussurijscaja 482. Primorsky Province, USSR. Seed.
- 437401. VIR 4145. Ussurijscaja 483. Primorsky Province, USSR. Seed.
- 437402. VIR 4223. Ussurijscaja 486. Primorsky Province, USSR. Seed.
- 437403. VIR 4224. Ussurijscaja 491. Primorsky Province, USSR. Seed.
- 437404. VIR 4225. Ussurijscaja 492. Primorsky Province, USSR. Seed.
- 437405. VIR 4226. Ussurijscaja 494. Primorsky Province, USSR. Seed.
- 437406. VIR 4227. Ussurijscaja 496. Primorsky Province, USSR. Seed.
- 437407. VIR 4228. Ussurijscaja 497. Primorsky Province, USSR. Seed.
- 437408. VIR 4229. Ussurijscaja 504. Primorsky Province, USSR. Seed.
- 437409. VIR 4230. Ussurijscaja 505. Primorsky Province, USSR.

437069 TO 438513-continued
Seed.

- 437410. VIR 4231. Ussurijscaja 506. Primorsky Province, USSR.
Seed.
- 437411. VIR 4232. Ussurijscaja 507. Primorsky Province, USSR.
Seed.
- 437412. VIR 4233. Ussurijscaja 508. Primorsky Province, USSR.
Seed.
- 437413. VIR 4234. Ussurijscaja 509. Primorsky Province, USSR.
Seed.
- 437414. VIR 4235. Ussurijscaja 510. Primorsky Province, USSR.
Seed.
- 437415. VIR 4236. Ussurijscaja 511. Primorsky Province, USSR.
Seed.
- 437416. VIR 4237. Ussurijscaja 512. Primorsky Province, USSR.
Seed.
- 437417. VIR 4238. Ussurijscaja 514. Primorsky Province, USSR.
Seed.
- 437418. VIR 4239. Ussurijscaja 516. Primorsky Province, USSR.
Seed.
- 437419. VIR 4241. Ussurijscaja 518. Primorsky Province, USSR.
Seed.
- 437420. VIR 4242. Ussurijscaja 521. Primorsky Province, USSR.
Seed.
- 437421. VIR 4243. Ussurijscaja 522. Primorsky Province, USSR.
Seed.
- 437422. VIR 4244. Ussurijscaja 525. Primorsky Province, USSR.
Seed.
- 437423. VIR 4248. Ussurijscaja 538. Primorsky Province, USSR.
Seed.
- 437424. VIR 4249. Ussurijscaja 542. Primorsky Province, USSR.
Seed.
- 437425. VIR 4250. Ussurijscaja 545. Primorsky Province, USSR.
Seed.
- 437426. VIR 4251. Ussurijscaja 546. Primorsky Province, USSR.
Seed.

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- 437427. VIR 4252. Ussurijscaja 547. Primorsky Province, USSR. Seed.
- 437428. VIR 4253. Ussurijscaja 548. Primorsky Province, USSR. Seed.
- 437429. VIR 4255. Ussurijscaja 552. Primorsky Province, USSR. Seed.
- 437430. VIR 4254. Ussurijscaja 558. Primorsky Province, USSR. Seed.
- 437431. VIR 4258. Ussurijscaja 559. Primorsky Province, USSR. Seed.
- 437432. VIR 4259. Ussurijscaja 561. Primorsky Province, USSR. Seed.
- 437433. VIR 4264. Ussurijscaja 562. Primorsky Province, USSR. Seed.
- 437434. VIR 4265. Ussurijscaja 564. Primorsky Province, USSR. Seed.
- 437435. VIR 4261. Ussurijscaja 567. Primorsky Province, USSR. Seed.
- 437436. VIR 4262. Ussurijscaja 568. Primorsky Province, USSR. Seed.
- 437437. VIR 4263. Ussurijscaja 569. Primorsky Province, USSR. Seed.
- 437438. VIR 4269. Ussurijscaja 575. Primorsky Province, USSR. Seed.
- 437439. VIR 4270. Ussurijscaja 577. Primorsky Province, USSR. Seed.
- 437440. VIR 4272. Ussurijscaja 581. Primorsky Province, USSR. Seed.
- 437441. VIR 4273. Ussurijscaja 585. Primorsky Province, USSR. Seed.
- 437442. VIR 4274. Ussurijscaja 586. Primorsky Province, USSR. Seed.
- 437443. VIR 4275. Ussurijscaja 587. Primorsky Province, USSR. Seed.
- 437444. VIR 4277. Ussurijscaja 592. Primorsky Province, USSR.

437069 TO 438513--continued
Seed.

- 437445. VIR 4278. Ussurijscaja 595. Primorsky Province, USSR.
Seed.
- 437446. VIR 4280. Ussurijscaja 602. Primorsky Province, USSR.
Seed.
- 437447. VIR 4282. Ussurijscaja 608. Primorsky Province, USSR.
Seed.
- 437448. VIR 4288. Ussurijscaja 628. Primorsky Province, USSR.
Seed.
- 437449. VIR 4289. Ussurijscaja 632. Primorsky Province, USSR.
Seed.
- 437450. VIR 4291. Ussurijscaja 636. Primorsky Province, USSR.
Seed.
- 437451. VIR 4292. Ussurijscaja 639. Primorsky Province, USSR.
Seed.
- 437452. VIR 4293. Ussurijscaja 640. Primorsky Province, USSR.
Seed.
- 437453. VIR 4295. Ussurijscaja 647. Primorsky Province, USSR.
Seed.
- 437454. VIR 4296. Ussurijscaja 648. Primorsky Province, USSR.
Seed.
- 437455. VIR 4297. Ussurijscaja 649. Primorsky Province, USSR.
Seed.
- 437456. VIR 4298. Ussurijscaja 651. Primorsky Province, USSR.
Seed.
- 437457. VIR 4300. Ussurijscaja 653. Primorsky Province, USSR.
Seed.
- 437458. VIR 4301. Ussurijscaja 658. Primorsky Province, USSR.
Seed.
- 437459. VIR 4197. Ussurijscaja 660. Primorsky Province, USSR.
Seed.
- 437460. VIR 4198. Ussurijscaja 668. Primorsky Province, USSR.
Seed.
- 437461. VIR 4146. Ussurijscaja 670. Primorsky Province, USSR.
Seed.

437069 TO 438513-continued

437462. VIR 4199. Ussurijscaja 672. Primorsky Province, USSR. Seed.
437463. VIR 4200. Ussurijscaja 674. Primorsky Province, USSR. Seed.
437464. VIR 4201. Ussurijscaja 675. Primorsky Province, USSR. Seed.
437465. VIR 4147. Ussurijscaja 678. Primorsky Province, USSR. Seed.
437466. VIR 4148. Ussurijscaja 683. Primorsky Province, USSR. Seed.
437467. VIR 4203. Ussurijscaja 684. Primorsky Province, USSR. Seed.
437468. VIR 4204. Ussurijscaja 686. Primorsky Province, USSR. Seed.
437469. VIR 4149. Ussurijscaja 687. Primorsky Province, USSR. Seed.
437470. VIR 4150. Ussurijscaja 877. Primorsky Province, USSR. Seed.
437471. VIR 5524. VIR 29 (ulutssen). Primorsky Province, USSR. Seed.
437472. VIR 5525. VIR 76 (A-761). Primorsky Province, USSR. Seed.
437473. VIR 4540. VIR 1501-40. Primorsky Province, USSR. Seed.
437474. VIR 5088. VU-4443. Primorsky Province, USSR. Seed.
437475. VIR 376. Primorsky Province, USSR. Seed.
437476. VIR 381. Primorsky Province, USSR. Seed.
437477. VIR 382. Primorsky Province, USSR. Seed.
437478. VIR 389. Primorsky Province, USSR. Seed.
437479. VIR 434. From Vladivostok, Primorsky Province, USSR. Seed.
437480. VIR 542. Primorsky Province, USSR. Seed.
437481. VIR 950. Primorsky Province, USSR. Seed.
437482. VIR 964. Primorsky Province, USSR. Seed.

437069 TO 438513-continued

- 437483. VIR 995. Primorsky Province, USSR. Seed.
- 437484. VIR 1002. Primorsky Province, USSR. Seed.
- 437485. VIR 1048. Primorsky Province, USSR. Seed.
- 437486. VIR 1066. Primorsky Province, USSR. Seed.
- 437487. VIR 1069. Primorsky Province, USSR. Seed.
- 437488. VIR 1070. Primorsky Province, USSR. Seed.
- 437489. VIR 1074. Primorsky Province, USSR. Seed.
- 437490. VIR 3034. Primorsky Province, USSR. Seed.
- 437491. VIR 3081. Primorsky Province, USSR. Seed.
- 437492. VIR 3713. Primorsky Province, USSR. Seed.
- 437493. VIR 3722. Primorsky Province, USSR. Seed.
- 437494. VIR 3723. Primorsky Province, USSR. Seed.
- 437495. VIR 3734. Primorsky Province, USSR. Seed.
- 437496. VIR 3736. Primorsky Province, USSR. Seed.
- 437497. VIR 3738. Primorsky Province, USSR. Seed.
- 437498. VIR 3739. Primorsky Province, USSR. Seed.
- 437499. VIR 3741. Primorsky Province, USSR. Seed.
- 437500. VIR 3810. Primorsky Province, USSR. Seed.
- 437501. VIR 3815. Primorsky Province, USSR. Seed.
- 437502. VIR 3836. Primorsky Province, USSR. Seed.
- 437503. VIR 3846. Primorsky Province, USSR. Seed.
- 437504. VIR 3848. Primorsky Province, USSR. Seed.
- 437505. VIR 3853. Primorsky Province, USSR. Seed.
- 437506. VIR 3857. Primorsky Province, USSR. Seed.
- 437507. VIR 3859. Primorsky Province, USSR. Seed.
- 437508. VIR 3876. Primorsky Province, USSR. Seed.

437069 TO 438513-continued

- 437509. VIR 3890. Primorsky Province, USSR. Seed.
- 437510. VIR 3892. Primorsky Province, USSR. Seed.
- 437511. VIR 3921. Primorsky Province, USSR. Seed.
- 437512. VIR 3926. Primorsky Province, USSR. Seed.
- 437513. VIR 4210. Primorsky Province, USSR. Seed.
- 437514. VIR 4542. Primorsky Province, USSR. Seed.
- 437515. VIR 4600. Primorsky Province, USSR. Seed.
- 437516. VIR 4701. Primorsky Province, USSR. Seed.
- 437517. VIR 5043. Primorsky Province, USSR. Seed.
- 437518. VIR 5089. Primorsky Province, USSR. Seed.
- 437519. VIR 5626. Primorsky Province, USSR. Seed.
- 437520. VIR 5627. Primorsky Province, USSR. Seed.
- 437521. VIR 5037. Stavropol'scaja 0399. Stavropol Province, USSR. Seed.
- 437522. VIR 5416. Tshuvashskaja ASSR. Seed.
- 437523. VIR 142. Turkmen SSR. Seed.
- 437524. VIR 358. Turkmen SSR. Seed.
- 437525. VIR 5081. Belotsercovscaja. Ukrainian SSR. Seed.
- 437526. VIR 4971. Belotsercovscaja 59. Ukrainian SSR. Seed.
- 437527. VIR 5263. Cel'merezcaja 2. Ukrainian SSR. Seed.
- 437528. VIR 5264. Cel'merezcaja mestnaja. Ukrainian SSR. Seed.
- 437529. VIR 4393. Char'covscaja 149. Ukrainian SSR. Seed.
- 437530. VIR 5078. Chernaja VU 2260. Ukrainian SSR. Seed.
- 437531. VIR 5544. Cirovogradscaja 1. Ukrainian SSR. Seed.
- 437532. VIR 5265. Cirovogradscaja 2. Ukrainian SSR. Seed.
- 437533. VIR 4972. Cvitea. Ukrainian SSR. Seed.
- 437534. VIR 5079. Demetscaja VU 2261. Ukrainian SSR. Seed.

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437535. VIR 5598. Dnepropetrovscaja 11. Ukrainian SSR. Seed.
437536. VIR 5082. Dnepropetrovscaja VU 2382. Ukrainian SSR. Seed.
437537. VIR 5292. Dneprovscaja 1. Ukrainian SSR. Seed.
437538. VIR 4044. Dneprovscaja 2. Ukrainian SSR. Seed.
437539. VIR 5291. Dneprovscaja 12. Ukrainian SSR. Seed.
437540. VIR 5599. Kirovogradscaja 6. Ukrainian SSR. Seed.
437541. VIR 4973. Norma. Ukrainian SSR. Seed.
437542. VIR 4976. Pratsja. Ukrainian SSR. Seed.
437543. VIR 4975. Pravda. Ukrainian SSR. Seed.
437544. VIR 3706. Staroucrainscaja. Ukrainian SSR. Seed.
437545. VIR 5693. Terezinscaja 2. Ukrainian SSR. Seed.
437546. VIR 5600. 1-9-3. Ukrainian SSR. Seed.
437547. VIR 5125. Ukrainian SSR. Seed.
437548. VIR 5126. Ukrainian SSR. Seed.
437549. VIR 5250. Ukrainian SSR. Seed.
437550. VIR 4879. Uzbek SSR. Seed.
437551. VIR 4564. A-100. Voronezh Region, USSR. Seed.
437552. VIR 4563. A-934. Voronezh Region, USSR. Seed.
437553. VIR 5405. Aj-huej mestnyj. China, Peoples Repub of. Seed.
437554. VIR 4638. Avan. China, Peoples Repub of. Seed.
437555. VIR 5400. Baj-hua-da-li-ce. China, Peoples Repub of. Seed.
437556. VIR 5466. Baj-hua-tso-tszu. China, Peoples Repub of. Seed.
437557. VIR 5455. Baj-mej. China, Peoples Repub of. Seed.
437558. VIR 5366. Ban'-e-sen-dou (Jun 685). China, Peoples Repub of. Seed.
437559. VIR 5381. Bej-an'-te-tszjao-tsin. China, Peoples Repub

437069 TO 438513-continued
of. Seed.

437560. VIR 5406. Bej-man' N41. China, Peoples Repub of. Seed.
437561. VIR 5407. Bej-man' N217. China, Peoples Repub of. Seed.
437562. VIR 5363. Bej-sjan'-ni-dou. China, Peoples Repub of. Seed.
437563. VIR 5647. Bujan'-pin-din-huan. China, Peoples Repub of. Seed.
437564. VIR 5486. Cesi 283. China, Peoples Repub of. Seed.
437565. VIR 5384. Ce-suan. China, Peoples Repub of. Seed.
437566. VIR 5552. Ce-tszy 283. China, Peoples Repub of. Seed.
437567. VIR 5636. Cha 49-2005. China, Peoples Repub of. Seed.
437568. VIR 5492. Chamosidou (Guntszy 535). China, Peoples Repub of. Seed.
437569. VIR 5380. Charbinscaja mestnaja. China, Peoples Repub of. Seed.
437570. VIR 5373. Charbinscaja poludicaja. China, Peoples Repub of. Seed.
437571. VIR 5431. Chej-huan-do. China, Peoples Repub of. Seed.
437572. VIR 5484. Chejmosidou (Guntszy 540). China, Peoples Repub of. Seed.
437573. VIR 5387. Che-ti. China, Peoples Repub of. Seed.
437574. VIR 784. Chi-lu-Schu. China, Peoples Repub of. Seed.
437575. VIR 5349. Chuaj-an'-si-er-djan. China, Peoples Repub of. Seed.
437576. VIR 5644. Chuan-cun-tiao. China, Peoples Repub of. Seed.
437577. VIR 5210. Chuan-da-dou. China, Peoples Repub of. Seed.
437578. VIR 5223. Chuan-da-dou. China, Peoples Repub of. Seed.
437579. VIR 5473. Chuan-li. China, Peoples Repub of. Seed.
437580. VIR 5426. Chun-hua-li. China, Peoples Repub of. Seed.
437581. VIR 5276. Chzeu-jao-dou. China, Peoples Repub of. Seed.

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437582. VIR 5412. Chzi-hua N1. China, Peoples Repub of. Seed.
437583. VIR 5413. Chzi-hua N4. China, Peoples Repub of. Seed.
437584. VIR 5465. Chzu-jao-dou. China, Peoples Repub of. Seed.
437585. VIR 5205. Chzu-jau-dou. China, Peoples Repub of. Seed.
437586. VIR 5394. Crest' janscij A. China, Peoples Repub of. Seed.
437587. VIR 5216. Cye-suan. China, Peoples Repub of. Seed.
437588. VIR 5360. Da-dou (sjao-ju-dou). China, Peoples Repub of. Seed.
437589. VIR 5475. Da-huan-li. China, Peoples Repub of. Seed.
437590. VIR 5382. Da-li-huan. China, Peoples Repub of. Seed.
437591. VIR 5447. Da-tsin-do. China, Peoples Repub of. Seed.
437592. VIR 5277. Da-tszin'-huan. China, Peoples Repub of. Seed.
437593. VIR 5462. Da-tszin'-huan. China, Peoples Repub of. Seed.
437594. VIR 5344. Dun-haj-sy-tszjao. China, Peoples Repub of. Seed.
437595. VIR 5379. Dun-nun 47-ID. China, Peoples Repub of. Seed.
437596. VIR 5376. Dun-nun 47-IV. China, Peoples Repub of. Seed.
437597. VIR 5555. Dun-nun-55-6012. China, Peoples Repub of. Seed.
437598. VIR 5648. Dun-nyn 50-6931. China, Peoples Repub of. Seed.
437599. VIR 4629. DV-2646 (Chab. g-479). China, Peoples Repub of. Seed.
437600. VIR 4619. DV-2771. China, Peoples Repub of. Seed.
437601. VIR 4620. DV-2772. China, Peoples Repub of. Seed.
437602. VIR 4621. DV-2773. China, Peoples Repub of. Seed.
437603. VIR 4622. DV-2774. China, Peoples Repub of. Seed.
437604. VIR 4623. DV-2775. China, Peoples Repub of. Seed.
437605. VIR 4624. DV-2776. China, Peoples Repub of. Seed.
437606. VIR 4625. DV-2777. China, Peoples Repub of. Seed.

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- 437607. VIR 4626. DV-2778. China, Peoples Repub of. Seed.
- 437608. VIR 4627. DV-2779. China, Peoples Repub of. Seed.
- 437609. VIR 4628. DV-2780. China, Peoples Repub of. Seed.
- 437610. VIR 4630. DV-2782. China, Peoples Repub of. Seed.
- 437611. VIR 4631. DV-2783. China, Peoples Repub of. Seed.
- 437612. VIR 4633. DV-2785. China, Peoples Repub of. Seed.
- 437613. VIR 4634. DV-2786. China, Peoples Repub of. Seed.
- 437614. VIR 4635. DV-2787. China, Peoples Repub of. Seed.
- 437615. VIR 4636. DV-2788. China, Peoples Repub of. Seed.
- 437616. VIR 4637. DV-2789. China, Peoples Repub of. Seed.
- 437617. VIR 4639. DV-2791. China, Peoples Repub of. Seed.
- 437618. VIR 4641. DV-2793. China, Peoples Repub of. Seed.
- 437619. VIR 4642. DV-2794. China, Peoples Repub of. Seed.
- 437620. VIR 4643. DV-2795. China, Peoples Repub of. Seed.
- 437621. VIR 4644. DV-2796. China, Peoples Repub of. Seed.
- 437622. VIR 4646. DV-2798. China, Peoples Repub of. Seed.
- 437623. VIR 4648. DV-2800. China, Peoples Repub of. Seed.
- 437624. VIR 4649. DV-2801. China, Peoples Repub of. Seed.
- 437625. VIR 4650. DV-2802. China, Peoples Repub of. Seed.
- 437626. VIR 4651. DV-2803. China, Peoples Repub of. Seed.
- 437627. VIR 4653. DV-2805. China, Peoples Repub of. Seed.
- 437628. VIR 4655. DV-2807. China, Peoples Repub of. Seed.
- 437629. VIR 4656. DV-2808. China, Peoples Repub of. Seed.
- 437630. VIR 4658. DV-2810. China, Peoples Repub of. Seed.
- 437631. VIR 4659. DV-2811. China, Peoples Repub of. Seed.
- 437632. VIR 4660. DV-2812. China, Peoples Repub of. Seed.

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437633. VIR 4662. DV-2814. China, Peoples Repub of. Seed.
437634. VIR 4663. DV-2815. China, Peoples Repub of. Seed.
437635. VIR 4664. DV-2816. China, Peoples Repub of. Seed.
437636. VIR 4665. DV-2817. China, Peoples Repub of. Seed.
437637. VIR 4666. DV-2818. China, Peoples Repub of. Seed.
437638. VIR 4667. DV-2819. China, Peoples Repub of. Seed.
437639. VIR 4668. DV-2820. China, Peoples Repub of. Seed.
437640. VIR 4669. DV-2821. China, Peoples Repub of. Seed.
437641. VIR 4670. DV-2822. China, Peoples Repub of. Seed.
437642. VIR 4672. DV-2824. China, Peoples Repub of. Seed.
437643. VIR 4673. DV-2825. China, Peoples Repub of. Seed.
437644. VIR 4674. DV-2826. China, Peoples Repub of. Seed.
437645. VIR 4675. DV-2827. China, Peoples Repub of. Seed.
437646. VIR 4676. DV-2828. China, Peoples Repub of. Seed.
437647. VIR 4677. DV-2829. China, Peoples Repub of. Seed.
437648. VIR 4678. DV-2830. China, Peoples Repub of. Seed.
437649. VIR 4679. DV-2831. China, Peoples Repub of. Seed.
437650. VIR 4680. DV-2832. China, Peoples Repub of. Seed.
437651. VIR 4681. DV-2833. China, Peoples Repub of. Seed.
437652. VIR 4682. DV-2834. China, Peoples Repub of. Seed.
437653. VIR 5361. Er-da-li. China, Peoples Repub of. Seed.
437654. VIR 5268. Er-hej-jan'. China, Peoples Repub of. Seed.
437655. VIR 5269. Er-huan-jan'. China, Peoples Repub of. Seed.
437656. VIR 5367. E-sen-dou (Gun 691). China, Peoples Repub of. Seed.
437657. VIR 5338. Gaj-juj-pin-din-huan. China, Peoples Repub of. Seed.

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437658. VIR 1356. *Gl. gracilis*. China, Peoples Repub of. Seed.
437659. VIR 5391. Guan-shi-tszen'. China, Peoples Repub of. Seed.
437660. VIR 5411. Gun 246. China, Peoples Repub of. Seed.
437661. VIR 5673. Gun'-lin'685. China, Peoples Repub of. Seed.
437662. VIR 5674. Gun'-tszu-lin' 658. China, Peoples Repub of. Seed.
437663. VIR 5675. Gun'-tszu-lin' 691. China, Peoples Repub of. Seed.
437664. VIR 5488. Guntzsy 536. China, Peoples Repub of. Seed.
437665. VIR 5472. Gu-tszja-tszy. China, Peoples Repub of. Seed.
437666. VIR 5463. I-vo-phyn. China, Peoples Repub of. Seed.
437667. VIR 5357. Jan-czou-sa-dou. China, Peoples Repub of. Seed.
437668. VIR 5286. Jun-cuj 1. China, Peoples Repub of. Seed.
437669. VIR 781. Kucitsu yen. China, Peoples Repub of. Seed.
437670. VIR 5436. La-nin-do (hy). China, Peoples Repub of. Seed.
437671. VIR 5347. Len-suj-pin-din-huan. China, Peoples Repub of. Seed.
437672. VIR 5643. Lisinscaja. China, Peoples Repub of. Seed.
437673. VIR 5561. Lju-juj-tszy. China, Peoples Repub of. Seed.
437674. VIR 5646. Lju-tio-tsin. China, Peoples Repub of. Seed.
437675. VIR 5274. Man-pan-tszin'. China, Peoples Repub of. Seed.
437676. VIR 5374. Man-tsan-tszin' x Phin-di-huan. China, Peoples Repub of. Seed.
437677. VIR 5226. Man-tsan-tszyn. China, Peoples Repub of. Seed.
437678. VIR 5128. Mantszantszin. China, Peoples Repub of. Seed.
437679. VIR 4895. Nan-cou. China, Peoples Repub of. Seed.
437680. VIR 5392. Nen-tszjan-da-dou. China, Peoples Repub of. Seed.
437681. VIR 4391. Nicogri. China, Peoples Repub of. North China.

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Seed.

- 437682. VIR 5433. Ni-zin-do. China, Peoples Repub of. Seed.
- 437683. VIR 5428. Pa-man-tsin. China, Peoples Repub of. Seed.
- 437684. VIR 5485. Phudihuan. China, Peoples Repub of. Seed.
- 437685. VIR 4890. Phun-zhun. China, Peoples Repub of. Seed.
- 437686. VIR 5127. Phu-shou. China, Peoples Repub of. Seed.
- 437687. VIR 5225. Phu-sou. China, Peoples Repub of. Seed.
- 437688. VIR 5328. Phyn-sen'-baj-pi. China, Peoples Repub of. Seed.
- 437689. VIR 5322. Phyn-sen'-sjao-baj-pi. China, Peoples Repub of. Seed.
- 437690. VIR 5283. Pin-din-guan'. China, Peoples Repub of. Seed.
- 437691. VIR 5423. Pin-din-huan. China, Peoples Repub of. Seed.
- 437692. VIR 5456. Pin-din-sjan. China, Peoples Repub of. Seed.
- 437693. VIR 5461. Pin-din-sjan. China, Peoples Repub of. Seed.
- 437694. VIR 5390. Rannjaja. China, Peoples Repub of. Seed.
- 437695. VIR 4865. S-185. China, Peoples Repub of. Seed.
- 437696. VIR 5355. San-haj-hun-mao-huan-dou. China, Peoples Repub of. Seed.
- 437697. VIR 5753. Schao-hi-tschi. China, Peoples Repub of. Seed.
- 437698. VIR 5503. Setin-huan. China, Peoples Repub of. Seed.
- 437699. VIR 5633. Shiliden. China, Peoples Repub of. Seed.
- 437700. VIR 5637. Shilihuan. China, Peoples Repub of. Seed.
- 437701. VIR 5209. Si-bi-va. China, Peoples Repub of. Seed.
- 437702. VIR 5448. Si-bi-va. China, Peoples Repub of. Seed.
- 437703. VIR 5517. Sin-huan-do. China, Peoples Repub of. Seed.
- 437704. VIR 5460. Sajao-baj-dou. China, Peoples Repub of. Seed.
- 437705. VIR 5562. Sjao-baj-hua. China, Peoples Repub of. Seed.

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437706. VIR 1326. Sajo-chej-cir Ja hei-chi N111. China, Peoples Repub of. Seed.
437707. VIR 5388. Sjao-he-tsi. China, Peoples Repub of. Seed.
437708. VIR 5454. Sjao-li-hej-dou. China, Peoples Repub of. Seed.
437709. VIR 5282. Sjao-sy-Tszjao-ti-huan-dou. China, Peoples Repub of. Seed.
437710. VIR 5429. Sjao-tsin-do. China, Peoples Repub of. Seed.
437711. VIR 5212. Sjao-tszin'-huan. China, Peoples Repub of. Seed.
437712. VIR 5383. Sjao-tszin'-huan. China, Peoples Repub of. Seed.
437713. VIR 5458. Sjao-tszin-huan. China, Peoples Repub of. Seed.
437714. VIR 5489. Sjaotszinhuan N1. China, Peoples Repub of. Seed.
437715. VIR 5061. Sjao-zin-chuan N1. China, Peoples Repub of. Seed.
437716. VIR 5438. Sjuj-dja-pyn-da-do. China, Peoples Repub of. Seed.
437717. VIR 5368. Sort 1 Tsaluco. China, Peoples Repub of. Seed.
437718. VIR 782. Ssuli-pin chien-pai-ma. China, Peoples Repub of. Seed.
437719. VIR 5356. Su-jan-baj-go-juan'. China, Peoples Repub of. Seed.
437720. VIR 5067. Syj-li-zja. China, Peoples Repub of. Seed.
437721. VIR 5443. Sy-jue-tsin-mao-do. China, Peoples Repub of. Seed.
437722. VIR 5471. Sy-li-huan. China, Peoples Repub of. Seed.
437723. VIR 5208. T'e-tszja-tszy. China, Peoples Repub of. Seed.
437724. VIR 5068. T'e-zja-chuan. China, Peoples Repub of. Seed.
437725. VIR 5430. Te-zu-gan. China, Peoples Repub of. Seed.
437726. VIR 5386. Ti-jue-baj. China, Peoples Repub of. Seed.

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437727. VIR 5332. Tju-sen'-jan-laj-gu. China, Peoples Repub of. Seed.
437728. VIR 5334. Tju-sen'-zuan'-tjao-cza. China, Peoples Repub of. Seed.
437729. VIR 5549. Tsi-ti 4. China, Peoples Repub of. Seed.
437730. VIR 5441. Tsundaj NS. China, Peoples Repub of. Seed.
437731. VIR 5491. Tsyhua N2. China, Peoples Repub of. Seed.
437732. VIR 5396. Tszao-dun 50. China, Peoples Repub of. Seed.
437733. VIR 5399. Tszao-shen-ce. China, Peoples Repub of. Seed.
437734. VIR 5442. Tszao-tszao-tsin-mao-do. China, Peoples Repub of. Seed.
437735. VIR 5220. Tszin'-juan'2. China, Peoples Repub of. Seed.
437736. VIR 5550. Tsziti 5. China, Peoples Repub of. Seed.
437737. VIR 5558. Tszy-hua 5. China, Peoples Repub of. Seed.
437738. VIR 5459. Tszy-hua-tso-tszy. China, Peoples Repub of. Seed.
437739. VIR 5279. Tszyn'-e-dou. China, Peoples Repub of. Seed.
437740. VIR 5402. Tszy-nua N1. China, Peoples Repub of. Seed.
437741. VIR 5403. Tszy-nua N3. China, Peoples Repub of. Seed.
437742. VIR 5404. Tszy-nua N4. China, Peoples Repub of. Seed.
437743. VIR 5427. Tu-li-gun. China, Peoples Repub of. Seed.
437744. VIR 4889. Tun-chzou. China, Peoples Repub of. Seed.
437745. VIR 4892. Tun-chzou. China, Peoples Repub of. Seed.
437746. VIR 5634. Tutszja. China, Peoples Repub of. Seed.
437747. VIR 5435. Uhan'scaja. China, Peoples Repub of. Seed.
437748. VIR 5812. Zelena Echo 3. China, Peoples Repub of. Seed.
437749. VIR 5479. Zelenaja. China, Peoples Repub of. Seed.
437750. VIR 5556. Zhao-he-ba-juj-man. China, Peoples Repub of. Seed.

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- 437751. VIR 5645. Zinan 2. China, Peoples Repub of. Seed.
- 437752. VIR 5064. Zin'-jugh'N1. China, Peoples Repub of. Seed.
- 437753. VIR 458. China, Peoples Repub of. Seed.
- 437754. VIR 1160. China, Peoples Repub of. Seed.
- 437755. VIR 1166. China, Peoples Repub of. Seed.
- 437756. VIR 1179. China, Peoples Repub of. Seed.
- 437757. VIR 1182. China, Peoples Repub of. Seed.
- 437758. VIR 1187. China, Peoples Repub of. Seed.
- 437759. VIR 1190. China, Peoples Repub of. Seed.
- 437760. VIR 1195. China, Peoples Repub of, Seed.
- 437761. VIR 1204. China, Peoples Repub of. Seed.
- 437762. VIR 1218. China, Peoples Repub of. Seed.
- 437763. VIR 1233. China, Peoples Repub of. Seed.
- 437764. VIR 1238. China, Peoples Repub of. Seed.
- 437765. VIR 1239. China, Peoples Repub of. Seed.
- 437766. VIR 1241. China, Peoples Repub of. Seed.
- 437767. VIR 1244. China, Peoples Repub of. Seed.
- 437768. VIR 1266. China, Peoples Repub of. Seed.
- 437769. VIR 1270. China, Peoples Repub of. Seed.
- 437770. VIR 1278. China, Peoples Repub of. Seed.
- 437771. VIR 1281. China, Peoples Repub of. Seed.
- 437772. VIR 1286. China, Peoples Repub of. Seed.
- 437773. VIR 1289. China, Peoples Repub of. Seed.
- 437774. VIR 1293. China, Peoples Repub of. Seed.
- 437775. VIR 1294. China, Peoples Repub of. Seed.
- 437776. VIR 1302. China, Peoples Repub of. Seed.

437069 TO 438513-continued

- 437777. VIR 1306. China, Peoples Repub of. Seed.
- 437778. VIR 1317. China, Peoples Repub of. Seed.
- 437779. VIR 1318. China, Peoples Repub of. Seed.
- 437780. VIR 1319. China, Peoples Repub of. Seed.
- 437781. VIR 1330. China, Peoples Repub of. Seed.
- 437782. VIR 1335. China, Peoples Repub of. Seed.
- 437783. VIR 1338. China, Peoples Repub of. Seed.
- 437784. VIR 1341. China, Peoples Repub of. Seed.
- 437785. VIR 1352. China, Peoples Repub of. Seed.
- 437786. VIR 1355. China, Peoples Repub of. Seed.
- 437787. VIR 2946. China, Peoples Repub of. Seed.
- 437788. VIR 3018. China, Peoples Repub of. Seed.
- 437789. VIR 3020. China, Peoples Repub of. Seed.
- 437790. VIR 3021. China, Peoples Repub of. Seed.
- 437791. VIR 3022. China, Peoples Repub of. Seed.
- 437792. VIR 3023. China, Peoples Repub of. Seed.
- 437793. VIR 3024. China, Peoples Repub of. Seed.
- 437794. VIR 3025. China, Peoples Repub of. Seed.
- 437795. VIR 5249. China, Peoples Repub of. Seed.
- 437796. VIR 5444. China, Peoples Repub of. Seed.
- 437797. VIR 5502. China, Peoples Repub of. Seed.
- 437798. VIR 5505. China, Peoples Repub of. Seed.
- 437799. VIR 5506. China, Peoples Repub of. Seed.
- 437800. VIR 5507. China, Peoples Repub of. Seed.
- 437801. VIR 5508. China, Peoples Repub of. Seed.
- 437802. VIR 5510. China, Peoples Repub of. Seed.

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- 437803. VIR 55 11. China, Peoples Repub of. Seed.
- 437804. VIR 55 12. China, Peoples Repub of. Seed.
- 437805. VIR 55 14. China, Peoples Repub of. Seed.
- 437806. VIR 55 15. China, Peoples Repub of. Seed.
- 437807. VIR 5705. China, Peoples Repub of. Seed.
- 437808. VIR 5706. China, Peoples Repub of. Seed.
- 437809. VIR 5707. China, Peoples Repub of. Seed.
- 437810. VIR 5708. China, Peoples Repub of. Seed.
- 437811. VIR 5709. China, Peoples Repub of. Seed.
- 437812. VIR 5710. China, Peoples Repub of. Seed.
- 437813. VIR 5831. China, Peoples Repub of. Seed.
- 437814. VIR 2445. An'da. China, Peoples Repub of. Northeast.
Seed.
- 437815. VIR 900. An,dunscaja. China, Peoples Repub of. Northeast.
Seed.
- 437816. VIR 5110. Cajala. China, Peoples Repub of. Northeast.
Seed.
- 437817. VIR 643. Chang chung-hung-tou. China, Peoples Repub of.
Northeast. Seed.
- 437818. VIR 4438. Charbin 273/K. China, Peoples Repub of.
Northeast. Seed.
- 437819. VIR 4441. Charbin 277/K. China, Peoples Repub of.
Northeast. Seed.
- 437820. VIR 5024. Charbin 336/C. China, Peoples Repub of.
Northeast. Seed.
- 437821. VIR 5026. Charbin 338/C. China, Peoples Repub of.
Northeast. Seed.
- 437822. VIR 5030. Charbin 343/C. China, Peoples Repub of.
Northeast. Seed.
- 437823. VIR 5031. Charbin 344/C. China, Peoples Repub of.
Northeast. Seed.

437069 TO 438513-continued

- 437824. VIR 5033. Charbin 360/C. China, Peoples Repub of. Northeast. Seed.
- 437825. VIR 4475. Charbin 365/K. China, Peoples Repub of. Northeast. Seed.
- 437826. VIR 5091. Charbinscaja. China, Peoples Repub of. Northeast. Seed.
- 437827. VIR 3971. Charbinscaja 231a. China, Peoples Repub of. Northeast. Seed.
- 437828. VIR 4604. Charbinscaja 363/C. China, Peoples Repub of. Northeast. Seed.
- 437829. VIR 212. Chuan-dou. China, Peoples Repub of. Northeast. Seed.
- 437830. VIR 3963. Crusulja 9/3. China, Peoples Repub of. Northeast. Seed.
- 437831. VIR 3967. Cubanscaja 121. China, Peoples Repub of. Northeast. Seed.
- 437832. VIR 3976. Cubanscaja 358. China, Peoples Repub of. Northeast. Seed.
- 437833. VIR 3742. Curo Sengocu. China, Peoples Repub of. Northeast. Seed.
- 437834. VIR 4442. D-2390. China, Peoples Repub of. Northeast. Seed.
- 437835. VIR 4527. DV-31. China, Peoples Repub of. Northeast. Seed.
- 437836. VIR 4426. DV-153. China, Peoples Repub of. Northeast. Seed.
- 437837. VIR 4417. DV-212. China, Peoples Repub of. Northeast. Seed.
- 437838. VIR 5021. DV-254. China, Peoples Repub of. Northeast. Seed.
- 437839. VIR 4211. DV-900. China, Peoples Repub of. Northeast. Seed.
- 437840. VIR 4214. DV-901. China, Peoples Repub of. Northeast. Seed.
- 437841. VIR 4213. DV-902. China, Peoples Repub of. Northeast.

437069 TO 438513-continued
Seed.

- 437842. VIR 4217. DV-904. China, Peoples Repub of. Northeast. Seed.
- 437843. VIR 4215. DV-905. China, Peoples Repub of. Northeast. Seed.
- 437844. VIR 4218. DV-909. China, Peoples Repub of. Northeast. Seed.
- 437845. VIR 4216. DV-910. China, Peoples Repub of. Northeast. Seed.
- 437846. VIR 4590. DV-1355. China, Peoples Repub of. Northeast. Seed.
- 437847. VIR 5018. DV-1532. China, Peoples Repub of. Northeast. Seed.
- 437848. VIR 5023. DV-1746. China, Peoples Repub of. Northeast. Seed.
- 437849. VIR 4588. DV-2345. China, Peoples Repub of. Northeast. Seed.
- 437850. VIR 4608. DV-2369. China, Peoples Repub of. Northeast. Seed.
- 437851. VIR 4609. DV-2369/2. China, Peoples Repub of. Northeast. Seed.
- 437852. VIR 5022. DV-2408. China, Peoples Repub of. Northeast. Seed.
- 437853. VIR 4614. DV-2679. China, Peoples Repub of. Northeast. Seed.
- 437854. VIR 4615. DV-2696. China, Peoples Repub of. Northeast. Seed.
- 437855. VIR 4617. DV-2714. China, Peoples Repub of. Northeast. Seed.
- 437856. VIR 4618. DV-2737. China, Peoples Repub of. Northeast. Seed.
- 437857. VIR 4632. DV-2784. China, Peoples Repub of. Northeast. Seed.
- 437858. VIR 4640. DV-2792. China, Peoples Repub of. Northeast. Seed.

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- 437859. VIR 4683. DV-2835. China, Peoples Repub of. Northeast. Seed.
- 437860. VIR 4684. DV-2836. China, Peoples Repub of. Northeast. Seed.
- 437861. VIR 4686. DV-2838. China, Peoples Repub of. Northeast. Seed.
- 437862. VIR 4688. DV-2840. China, Peoples Repub of. Northeast. Seed.
- 437863. VIR 4689. DV-2841. China, Peoples Repub of. Northeast. Seed.
- 437864. VIR 4690. DV-2842. China, Peoples Repub of. Northeast. Seed.
- 437865. VIR 4692. DV-2844. China, Peoples Repub of. Northeast. Seed.
- 437866. VIR 4693. DV-2845. China, Peoples Repub of. Northeast. Seed.
- 437867. VIR 4696. DV-2848. China, Peoples Repub of. Northeast. Seed.
- 437868. VIR 4698. DV-2850. China, Peoples Repub of. Northeast. Seed.
- 437869. VIR 4700. DV-2852. China, Peoples Repub of. Northeast. Seed.
- 437870. VIR 4464. DV-2887. China, Peoples Repub of. Northeast. Seed.
- 437871. VIR 4303. Elita 673. China, Peoples Repub of. Northeast. Seed.
- 437872. VIR 4302. Elita 676. China, Peoples Repub of. Northeast. Seed.
- 437873. VIR 4335. Elita 676. China, Peoples Repub of. Northeast. Seed.
- 437874. VIR 4304. Elita 678. China, Peoples Repub of. Northeast. Seed.
- 437875. VIR 4306. Elita 691. China, Peoples Repub of. Northeast. Seed.
- 437876. VIR 4308. Elita 693. China, Peoples Repub of. Northeast.

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Seed.

437877. VIR 4309. Elita 694. China, Peoples Repub of. Northeast.
Seed.
437878. VIR 4310. Elita 695. China, Peoples Repub of. Northeast.
Seed.
437879. VIR 4313. Elita 700. China, Peoples Repub of. Northeast.
Seed.
437880. VIR 4314. Elita 701. China, Peoples Repub of. Northeast.
Seed.
437881. VIR 4315. Elita 705. China, Peoples Repub of. Northeast.
Seed.
437882. VIR 4316. Elita 707. China, Peoples Repub of. Northeast.
Seed.
437883. VIR 4318. Elita 709. China, Peoples Repub of. Northeast.
Seed.
437884. VIR 4319. Elita 710. China, Peoples Repub of. Northeast.
Seed.
437885. VIR 4320. Elita 715. China, Peoples Repub of. Northeast.
Seed.
437886. VIR 4321. Elita 716. China, Peoples Repub of. Northeast.
Seed.
437887. VIR 4322. Elita 717. China, Peoples Repub of. Northeast.
Seed.
437888. VIR 4323. Elita 718. China, Peoples Repub of. Northeast.
Seed.
437889. VIR 4326. Elita 728. China, Peoples Repub of. Northeast.
Seed.
437890. VIR 4327. Elita 729. China, Peoples Repub of. Northeast.
Seed.
437891. VIR 4328. Elita 733. China, Peoples Repub of. Northeast.
Seed.
437892. VIR 4329. Elita 737. China, Peoples Repub of. Northeast.
Seed.
437893. VIR 4330. Elita 743. China, Peoples Repub of. Northeast.
Seed.

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437894. VIR 4331. Elita 744. China, Peoples Repub of. Northeast. Seed.
437895. VIR 4332. Elita 745. China, Peoples Repub of. Northeast. Seed.
437896. VIR 4333. Elita 747. China, Peoples Repub of. Northeast. Seed.
437897. VIR 4334. Elita 751. China, Peoples Repub of. Northeast. Seed.
437898. VIR 4336. Elita 756. China, Peoples Repub of. Northeast. Seed.
437899. VIR 4337. Elita 759. China, Peoples Repub of. Northeast. Seed.
437900. VIR 4338. Elita 760. China, Peoples Repub of. Northeast. Seed.
437901. VIR 4340. Elita 762. China, Peoples Repub of. Northeast. Seed.
437902. VIR 4341. Elita 764. China, Peoples Repub of. Northeast. Seed.
437903. VIR 4342. Elita 766. China, Peoples Repub of. Northeast. Seed.
437904. VIR 4339. Elita 767. China, Peoples Repub of. Northeast. Seed.
437905. VIR 425. Gunzulinscaja paj-mi. China, Peoples Repub of. Northeast. Seed.
437906. VIR 413. Hei-tou. China, Peoples Repub of. Northeast. Seed.
437907. VIR 666. Hsiao-cheng tsu N262. China, Peoples Repub of. Northeast. Seed.
437908. VIR 681. Hsiao-hei-chin Echo. China, Peoples Repub of. Northeast. Seed.
437909. VIR 403. Huang-tou. China, Peoples Repub of. Northeast. Seed.
437910. VIR 719. Huang-tou. China, Peoples Repub of. Northeast. Seed.
437911. VIR 4597. Manczurscaja. China, Peoples Repub of.

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Northeast. Seed.

437912. VIR 4592. Manczurscaja 335/C. China, Peoples Repub of. Northeast. Seed.
437913. VIR 4595. Manczurscaja 347/C. China, Peoples Repub of. Northeast. Seed.
437914. VIR 4602. Manczurscaja 355/C. China, Peoples Repub of. Northeast. Seed.
437915. VIR 5036. Man'gou. China, Peoples Repub of. Northeast. Seed.
437916. VIR 3985. M. d. H. China, Peoples Repub of. Northeast. Seed.
437917. VIR 967. Mjao-jan-dou. China, Peoples Repub of. Northeast. Seed.
437918. VIR 3980. Polucul'turnaja C10. China, Peoples Repub of. Northeast. Seed.
437919. VIR 5017. Sancahe 268/C. China, Peoples Repub of. Northeast. Seed.
437920. VIR 1371. Sansindunscaja. China, Peoples Repub of. Northeast. Seed.
437921. VIR 705. Shua-hei-wi. China, Peoples Repub of. Northeast. Seed.
437922. VIR 4451. Shuancnsjanscaja. China, Peoples Repub of. Northeast. Seed.
437923. VIR 392. Siao-li-er-phang-tou-tsa. China, Peoples Repub of. Northeast. Seed.
437924. VIR 395. Siao-uen-luang-tou. China, Peoples Repub of. Northeast. Seed.
437925. VIR 5881. Zelena Echo. China, Peoples Repub of. Northeast. Seed.
437926. VIR 271. China, Peoples Repub of. Northeast. Seed.
437927. VIR 281. China, Peoples Repub of. Northeast. Seed.
437928. VIR 315. China, Peoples Repub of. Northeast. Seed.
437929. VIR 316. China, Peoples Repub of. Northeast. Seed.
437930. VIR 319. China, Peoples Repub of. Northeast. Seed.

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- 437931. VIR 327. China, Peoples Repub of. Northeast. Seed.
- 437932. VIR 336. China, Peoples Repub of. Northeast. Seed.
- 437933. VIR 341. China, Peoples Repub of. Northeast. Seed.
- 437934. VIR 429. China, Peoples Repub of. Northeast. Seed.
- 437935. VIR 475. China, Peoples Repub of. Northeast. Seed.
- 437936. VIR 484. China, Peoples Repub of. Northeast. Seed.
- 437937. VIR 495. China, Peoples Repub of. Northeast. Seed.
- 437938. VIR 504. China, Peoples Repub of. Northeast. Seed.
- 437939. VIR 505. China, Peoples Repub of. Northeast. Seed.
- 437940. VIR 508. China, Peoples Repub of. Northeast. Seed.
- 437941. VIR 518. China, Peoples Repub of. Northeast. Seed.
- 437942. VIR 564. China, Peoples Repub of. Northeast. Seed.
- 437943. VIR 567. China, Peoples Repub of. Northeast. Seed.
- 437944. VIR 569. China, Peoples Repub of. Northeast. Seed.
- 437945. VIR 746. China, Peoples Repub of. Northeast. Seed.
- 437946. VIR 765. China, Peoples Repub of. Northeast. Seed.
- 437947. VIR 766. China, Peoples Repub of. Northeast. Seed.
- 437948. VIR 827. China, Peoples Repub of. Northeast. Seed.
- 437949. VIR 834. China, Peoples Repub of. Northeast. Seed.
- 437950. VIR 966. China, Peoples Repub of. Northeast. Seed.
- 437951. VIR 970. China, Peoples Repub of. Northeast. Seed.
- 437952. VIR 1368. China, Peoples Repub of. Northeast. Seed.
- 437953. VIR 1385. China, Peoples Repub of. Northeast. Seed.
- 437954. VIR 1387. China, Peoples Repub of. Northeast. Seed.
- 437955. VIR 1389. China, Peoples Repub of. Northeast. Seed.
- 437956. VIR 1390. China, Peoples Repub of. Northeast. Seed.

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- 437957. VIR 1402. China, Peoples Repub of. Northeast. Seed.
- 437958. VIR 1403. China, Peoples Repub of. Northeast. Seed.
- 437959. VIR 1407. China, Peoples Repub of. Northeast. Seed.
- 437960. VIR 1410. China, Peoples Repub of. Northeast. Seed.
- 437961. VIR 1412. China, Peoples Repub of. Northeast. Seed.
- 437962. VIR 1413. China, Peoples Repub of. Northeast. Seed.
- 437963. VIR 1414. China, Peoples Repub of. Northeast. Seed.
- 437964. VIR 1420. China, Peoples Repub of. Northeast. Seed.
- 437965. VIR 1421. China, Peoples Repub of. Northeast. Seed.
- 437966. VIR 1425. China, Peoples Repub of. Northeast. Seed.
- 437967. VIR 1436. China, Peoples Repub of. Northeast. Seed.
- 437968. VIR 1445. China, Peoples Repub of. Northeast. Seed.
- 437969. VIR 1455. China, Peoples Repub of. Northeast. Seed.
- 437970. VIR 1460. China, Peoples Repub of. Northeast. Seed.
- 437971. VIR 1470. China, Peoples Repub of. Northeast. Seed.
- 437972. VIR 1475. China, Peoples Repub of. Northeast. Seed.
- 437973. VIR 1484. China, Peoples Repub of. Northeast. Seed.
- 437974. VIR 1489. China, Peoples Repub of. Northeast. Seed.
- 437975. VIR 1490. China, Peoples Repub of. Northeast. Seed.
- 437976. VIR 1502. China, Peoples Repub of. Northeast. Seed.
- 437977. VIR 1528. China, Peoples Repub of. Northeast. Seed.
- 437978. VIR 1532. China, Peoples Repub of. Northeast. Seed.
- 437979. VIR 1540. China, Peoples Repub of. Northeast. Seed.
- 437980. VIR 1558. China, Peoples Repub of. Northeast. Seed.
- 437981. VIR 1560. China, Peoples Repub of. Northeast. Seed.
- 437982. VIR 1581. China, Peoples Repub of. Northeast. Seed.

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437983. VIR 1599. China, Peoples Repub of. Northeast. Seed.
437984. VIR 1601. China, Peoples Repub of. Northeast. Seed.
437985. VIR 1602. China, Peoples Repub of. Northeast. Seed.
437986. VIR 1613. China, Peoples Repub of. Northeast. Seed.
437987. VIR 1622. China, Peoples Repub of. Northeast. Seed.
437988. VIR 1624. China, Peoples Repub of. Northeast. Seed.
437989. VIR 1648. China, Peoples Repub of. Northeast. Seed.
437990. VIR 1651. China, Peoples Repub of. Northeast. Seed.
437991. VIR 1657. China, Peoples Repub of. Northeast. Seed.
437992. VIR 1659. China, Peoples Repub of. Northeast. Seed.
437993. VIR 1670. China, Peoples Repub of. Northeast. Seed.
437994. VIR 1672. China, Peoples Repub of. Northeast. Seed.
437995. VIR 1673. China, Peoples Repub of. Northeast. Seed.
437996. VIR 1674. China, Peoples Repub of. Northeast. Seed.
437997. VIR 1681. China, Peoples Repub of. Northeast. Seed.
437998. VIR 1688. China, Peoples Repub of. Northeast. Seed.
437999. VIR 1711. China, Peoples Repub of. Northeast. Seed.
438000. VIR 1722. China, Peoples Repub of. Northeast. Seed.
438001. VIR 1723. China, Peoples Repub of. Northeast. Seed.
438002. VIR 1725. China, Peoples Repub of. Northeast. Seed.
438003. VIR 1739. China, Peoples Repub of. Northeast. Seed.
438004. VIR 1746. China, Peoples Repub of. Northeast. Seed.
438005. VIR 1748. China, Peoples Repub of. Northeast. Seed.
438006. VIR 1764. China, Peoples Repub of. Northeast. Seed.
438007. VIR 1766. China, Peoples Repub of. Northeast. Seed.
438008. VIR 1767. China, Peoples Repub of. Northeast. Seed.

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- 438009. VIR 1772. China, Peoples Repub of. Northeast. Seed.
- 438010. VIR 1793. China, Peoples Repub of. Northeast. Seed.
- 438011. VIR 1813. China, Peoples Repub of. Northeast. Seed.
- 438012. VIR 1821. China, Peoples Repub of. Northeast. Seed.
- 438013. VIR 1843. China, Peoples Repub of. Northeast. Seed.
- 438014. VIR 1844. China, Peoples Repub of. Northeast. Seed.
- 438015. VIR 1846. China, Peoples Repub of. Northeast. Seed.
- 438016. VIR 1852. China, Peoples Repub of. Northeast. Seed.
- 438017. VIR 1862. China, Peoples Repub of. Northeast. Seed.
- 438018. VIR 1864. China, Peoples Repub of. Northeast. Seed.
- 438019. VIR 1883. China, Peoples Repub of. Northeast. Seed.
- 438020. VIR 1889. China, Peoples Repub of. Northeast. Seed.
- 438021. VIR 1900. China, Peoples Repub of. Northeast. Seed.
- 438022. VIR 1915. China, Peoples Repub of. Northeast. Seed.
- 438023. VIR 1916. China, Peoples Repub of. Northeast. Seed.
- 438024. VIR 1934. China, Peoples Repub of. Northeast. Seed.
- 438025. VIR 1935. China, Peoples Repub of. Northeast. Seed.
- 438026. VIR 1999. China, Peoples Repub of. Northeast. Seed.
- 438027. VIR 2028. China, Peoples Repub of. Northeast. Seed.
- 438028. VIR 2034. China, Peoples Repub of. Northeast. Seed.
- 438029. VIR 2112. China, Peoples Repub of. Northeast. Seed.
- 438030. VIR 2124. China, Peoples Repub of. Northeast. Seed.
- 438031. VIR 2161. China, Peoples Repub of. Northeast. Seed.
- 438032. VIR 2165. China, Peoples Repub of. Northeast. Seed.
- 438033. VIR 2166. China, Peoples Repub of. Northeast. Seed.
- 438034. VIR 2173. China, Peoples Repub of. Northeast. Seed.

437069 TO 438513-continued

438035. VIR 2174. China, Peoples Repub of. Northeast. Seed.
438036. VIR 2181. China, Peoples Repub of. Northeast. Seed.
438037. VIR 2204. China, Peoples Repub of. Northeast. Seed.
438038. VIR 2248. China, Peoples Repub of. Northeast. Seed.
438039. VIR 2265. China, Peoples Repub of. Northeast. Seed.
438040. VIR 2271. China, Peoples Repub of. Northeast. Seed.
438041. VIR 2274. China, Peoples Repub of. Northeast. Seed.
438042. VIR 2283. China, Peoples Repub of. Northeast. Seed.
438043. VIR 2296. China, Peoples Repub of. Northeast. Seed.
438044. VIR 2297. China, Peoples Repub of. Northeast. Seed.
438045. VIR 2299. China, Peoples Repub of. Northeast. Seed.
438046. VIR 2300. China, Peoples Repub of. Northeast. Seed.
438047. VIR 2303. China, Peoples Repub of. Northeast. Seed.
438048. VIR 2308. China, Peoples Repub of. Northeast. Seed.
438049. VIR 2310. China, Peoples Repub of. Northeast. Seed.
438050. VIR 2324. China, Peoples Repub of. Northeast. Seed.
438051. VIR 2329. China, Peoples Repub of. Northeast. Seed.
438052. VIR 2334. China, Peoples Repub of. Northeast. Seed.
438053. VIR 2336. China, Peoples Repub of. Northeast. Seed.
438054. VIR 2342. China, Peoples Repub of. Northeast. Seed.
438055. VIR 2345. China, Peoples Repub of. Northeast. Seed.
438056. VIR 2386. China, Peoples Repub of. Northeast. Seed.
438057. VIR 2390. China, Peoples Repub of. Northeast. Seed.
438058. VIR 2399. China, Peoples Repub of. Northeast. Seed.
438059. VIR 2403. China, Peoples Repub of. Northeast. Seed.
438060. VIR 2404. China, Peoples Repub of. Northeast. Seed.

437069 TO 438513-continued

- 438061. VIR 24 05. China, Peoples Repub of. Northeast. Seed.
- 438062. VIR 24 06. China, Peoples Repub of. Northeast. Seed.
- 438063. VIR 24 07. China, Peoples Repub of. Northeast. Seed.
- 438064. VIR 24 12. China, Peoples Repub of. Northeast. Seed.
- 438065. VIR 24 19. China, Peoples Repub of. Northeast. Seed.
- 438066. VIR 24 26. China, Peoples Repub of. Northeast. Seed.
- 438067. VIR 24 27. China, Peoples Repub of. Northeast. Seed.
- 438068. VIR 24 31. China, Peoples Repub of. Northeast. Seed.
- 438069. VIR 24 38. China, Peoples Repub of. Northeast. Seed.
- 438070. VIR 24 43. China, Peoples Repub of. Northeast. Seed.
- 438071. VIR 24 46. China, Peoples Repub of. Northeast. Seed.
- 438072. VIR 24 50. China, Peoples Repub of. Northeast. Seed.
- 438073. VIR 24 58. China, Peoples Repub of. Northeast. Seed.
- 438074. VIR 24 68. China, Peoples Repub of. Northeast. Seed.
- 438075. VIR 24 69. China, Peoples Repub of. Northeast. Seed.
- 438076. VIR 24 73. China, Peoples Repub of. Northeast. Seed.
- 438077. VIR 24 74. China, Peoples Repub of. Northeast. Seed.
- 438078. VIR 24 78. China, Peoples Repub of. Northeast. Seed.
- 438079. VIR 24 87. China, Peoples Repub of. Northeast. Seed.
- 438080. VIR 24 89. China, Peoples Repub of. Northeast. Seed.
- 438081. VIR 24 94. China, Peoples Repub of. Northeast. Seed.
- 438082. VIR 25 04. China, Peoples Repub of. Northeast. Seed.
- 438083. VIR 25 06. China, Peoples Repub of. Northeast. Seed.
- 438084. VIR 25 07. China, Peoples Repub of. Northeast. Seed.
- 438085. VIR 25 08. China, Peoples Repub of. Northeast. Seed.
- 438086. VIR 25 16. China, Peoples Repub of. Northeast. Seed.

437069 TO 438513-continued

438087. VIR 2518. China, Peoples Repub of. Northeast. Seed.
438088. VIR 2519. China, Peoples Repub of. Northeast. Seed.
438089. VIR 2522. China, Peoples Repub of. Northeast. Seed.
438090. VIR 2523. China, Peoples Repub of. Northeast. Seed.
438091. VIR 2526. China, Peoples Repub of. Northeast. Seed.
438092. VIR 2528. China, Peoples Repub of. Northeast. Seed.
438093. VIR 2538. China, Peoples Repub of. Northeast. Seed.
438094. VIR 2543. China, Peoples Repub of. Northeast. Seed.
438095. VIR 2546. China, Peoples Repub of. Northeast. Seed.
438096. VIR 2555. China, Peoples Repub of. Northeast. Seed.
438097. VIR 2560. China, Peoples Repub of. Northeast. Seed.
438098. VIR 2565. China, Peoples Repub of. Northeast. Seed.
438099. VIR 2569. China, Peoples Repub of. Northeast. Seed.
438100. VIR 2573. China, Peoples Repub of. Northeast. Seed.
438101. VIR 2578. China, Peoples Repub of. Northeast. Seed.
438102. VIR 2586. China, Peoples Repub of. Northeast. Seed.
438103. VIR 2588. China, Peoples Repub of. Northeast. Seed.
438104. VIR 2594. China, Peoples Repub of. Northeast. Seed.
438105. VIR 2595. China, Peoples Repub of. Northeast. Seed.
438106. VIR 2600. China, Peoples Repub of. Northeast. Seed.
438107. VIR 2601. China, Peoples Repub of. Northeast. Seed.
438108. VIR 2602. China, Peoples Repub of. Northeast. Seed.
438109. VIR 2608. China, Peoples Repub of. Northeast. Seed.
438110. VIR 2610. China, Peoples Repub of. Northeast. Seed.
438111. VIR 2620. China, Peoples Repub of. Northeast. Seed.
438112. VIR 2623. China, Peoples Repub of. Northeast. Seed.

437069 TO 438513-continued

- 438113. VIR 2626. China, Peoples Repub of. Northeast. Seed.
- 438114. VIR 2628. China, Peoples Repub of. Northeast. Seed.
- 438115. VIR 2712. China, Peoples Repub of. Northeast. Seed.
- 438116. VIR 2727. China, Peoples Repub of. Northeast. Seed.
- 438117. VIR 2733. China, Peoples Repub of. Northeast. Seed.
- 438118. VIR 2757. China, Peoples Repub of. Northeast. Seed.
- 438119. VIR 2778. China, Peoples Repub of. Northeast. Seed.
- 438120. VIR 2785. China, Peoples Repub of. Northeast. Seed.
- 438121. VIR 2786. China, Peoples Repub of. Northeast. Seed.
- 438122. VIR 2789. China, Peoples Repub of. Northeast. Seed.
- 438123. VIR 2793. China, Peoples Repub of. Northeast. Seed.
- 438124. VIR 2795. China, Peoples Repub of. Northeast. Seed.
- 438125. VIR 2799. China, Peoples Repub of. Northeast. Seed.
- 438126. VIR 2802. China, Peoples Repub of. Northeast. Seed.
- 438127. VIR 2806. China, Peoples Repub of. Northeast. Seed.
- 438128. VIR 2813. China, Peoples Repub of. Northeast. Seed.
- 438129. VIR 2814. China, Peoples Repub of. Northeast. Seed.
- 438130. VIR 2822. China, Peoples Repub of. Northeast. Seed.
- 438131. VIR 2826. China, Peoples Repub of. Northeast. Seed.
- 438132. VIR 2848. China, Peoples Repub of. Northeast. Seed.
- 438133. VIR 2868. China, Peoples Repub of. Northeast. Seed.
- 438134. VIR 2869. China, Peoples Repub of. Northeast. Seed.
- 438135. VIR 2871. China, Peoples Repub of. Northeast. Seed.
- 438136. VIR 2872. China, Peoples Repub of. Northeast. Seed.
- 438137. VIR 2873. China, Peoples Repub of. Northeast. Seed.
- 438138. VIR 2874. China, Peoples Repub of. Northeast. Seed.

437069 TO 438513-continued

438139. VIR 2875. China, Peoples Repub of. Northeast. Seed.
438140. VIR 2876. China, Peoples Repub of. Northeast. Seed.
438141. VIR 2877. China, Peoples Repub of. Northeast. Seed.
438142. VIR 2878. China, Peoples Repub of. Northeast. Seed.
438143. VIR 2879. China, Peoples Repub of. Northeast. Seed.
438144. VIR 2880. China, Peoples Repub of. Northeast. Seed.
438145. VIR 2881. China, Peoples Repub of. Northeast. Seed.
438146. VIR 2882. China, Peoples Repub of. Northeast. Seed.
438147. VIR 2886. China, Peoples Repub of. Northeast. Seed.
438148. VIR 2887. China, Peoples Repub of. Northeast. Seed.
438149. VIR 2888. China, Peoples Repub of. Northeast. Seed.
438150. VIR 2899. China, Peoples Repub of. Northeast. Seed.
438151. VIR 2921. China, Peoples Repub of. Northeast. Seed.
438152. VIR 3759. China, Peoples Repub of. Northeast. Seed.
438153. VIR 3767. China, Peoples Repub of. Northeast. Seed.
438154. VIR 3768. China, Peoples Repub of. Northeast. Seed.
438155. VIR 3774. China, Peoples Repub of. Northeast. Seed.
438156. VIR 3779. China, Peoples Repub of. Northeast. Seed.
438157. VIR 3785. China, Peoples Repub of. Northeast. Seed.
438158. VIR 3788. China, Peoples Repub of. Northeast. Seed.
438159. VIR 3789. China, Peoples Repub of. Northeast. Seed.
438160. VIR 3801. China, Peoples Repub of. Northeast. Seed.
438161. VIR 3804. China, Peoples Repub of. Northeast. Seed.
438162. VIR 3823. China, Peoples Repub of. Northeast. Seed.
438163. VIR 4110. China, Peoples Repub of. Northeast. Seed.
438164. VIR 4111. China, Peoples Repub of. Northeast. Seed.

437069 TO 438513-continued

- 438165. VIR 44 15. China, Peoples Repub of. Northeast. Seed.
- 438166. VIR 44 16. China, Peoples Repub of. Northeast. Seed.
- 438167. VIR 44 18. China, Peoples Repub of. Northeast. Seed.
- 438168. VIR 44 20. China, Peoples Repub of. Northeast. Seed.
- 438169. VIR 44 21. China, Peoples Repub of. Northeast. Seed.
- 438170. VIR 44 23. China, Peoples Repub of. Northeast. Seed.
- 438171. VIR 44 27. China, Peoples Repub of. Northeast. Seed.
- 438172. VIR 44 28. China, Peoples Repub of. Northeast. Seed.
- 438173. VIR 44 29. China, Peoples Repub of. Northeast. Seed.
- 438174. VIR 44 31. China, Peoples Repub of. Northeast. Seed.
- 438175. VIR 44 32. China, Peoples Repub of. Northeast. Seed.
- 438176. VIR 44 33. China, Peoples Repub of. Northeast. Seed.
- 438177. VIR 44 35. China, Peoples Repub of. Northeast. Seed.
- 438178. VIR 44 36. China, Peoples Repub of. Northeast. Seed.
- 438179. VIR 44 40. China, Peoples Repub of. Northeast. Seed.
- 438180. VIR 44 43. China, Peoples Repub of. Northeast. Seed.
- 438181. VIR 44 44. China, Peoples Repub of. Northeast. Seed.
- 438182. VIR 44 45. China, Peoples Repub of. Northeast. Seed.
- 438183. VIR 44 47. China, Peoples Repub of. Northeast. Seed.
- 438184. VIR 44 49. China, Peoples Repub of. Northeast. Seed.
- 438185. VIR 44 50. China, Peoples Repub of. Northeast. Seed.
- 438186. VIR 44 52. China, Peoples Repub of. Northeast. Seed.
- 438187. VIR 44 53. China, Peoples Repub of. Northeast. Seed.
- 438188. VIR 44 54. China, Peoples Repub of. Northeast. Seed.
- 438189. VIR 44 56. China, Peoples Repub of. Northeast. Seed.
- 438190. VIR 44 58. China, Peoples Repub of. Northeast. Seed.

437069 TO 438513-continued

438191. VIR 4459. China, Peoples Repub of. Northeast. Seed.
438192. VIR 4460. China, Peoples Repub of. Northeast. Seed.
438193. VIR 4462. China, Peoples Repub of. Northeast. Seed.
438194. VIR 4473. China, Peoples Repub of. Northeast. Seed.
438195. VIR 4476. China, Peoples Repub of. Northeast. Seed.
438196. VIR 4477. China, Peoples Repub of. Northeast. Seed.
438197. VIR 4478. China, Peoples Repub of. Northeast. Seed.
438198. VIR 4479. China, Peoples Repub of. Northeast. Seed.
438199. VIR 4481. China, Peoples Repub of. Northeast. Seed.
438200. VIR 4483. China, Peoples Repub of. Northeast. Seed.
438201. VIR 4484. China, Peoples Repub of. Northeast. Seed.
438202. VIR 4485. China, Peoples Repub of. Northeast. Seed.
438203. VIR 4486. China, Peoples Repub of. Northeast. Seed.
438204. VIR 4488. China, Peoples Repub of. Northeast. Seed.
438205. VIR 4491. China, Peoples Repub of. Northeast. Seed.
438206. VIR 4492. China, Peoples Repub of. Northeast. Seed.
438207. VIR 4493. China, Peoples Repub of. Northeast. Seed.
438208. VIR 4494. China, Peoples Repub of. Northeast. Seed.
438209. VIR 4495. China, Peoples Repub of. Northeast. Seed.
438210. VIR 4499. China, Peoples Repub of. Northeast. Seed.
438211. VIR 4501. China, Peoples Repub of. Northeast. Seed.
438212. VIR 4503. China, Peoples Repub of. Northeast. Seed.
438213. VIR 4504. China, Peoples Repub of. Northeast. Seed.
438214. VIR 4505. China, Peoples Repub of. Northeast. Seed.
438215. VIR 4506. China, Peoples Repub of. Northeast. Seed.
438216. VIR 4507. China, Peoples Repub of. Northeast. Seed.

437069 TO 438513-continued

- 438217. VIR 4508. China, Peoples Repub of. Northeast. Seed.
- 438218. VIR 4509. China, Peoples Repub of. Northeast. Seed.
- 438219. VIR 4510. China, Peoples Repub of. Northeast. Seed.
- 438220. VIR 4511. China, Peoples Repub of. Northeast. Seed.
- 438221. VIR 4512. China, Peoples Repub of. Northeast. Seed.
- 438222. VIR 4513. China, Peoples Repub of. Northeast. Seed.
- 438223. VIR 4514. China, Peoples Repub of. Northeast. Seed.
- 438224. VIR 4515. China, Peoples Repub of. Northeast. Seed.
- 438225. VIR 4516. China, Peoples Repub of. Northeast. Seed.
- 438226. VIR 4517. China, Peoples Repub of. Northeast. Seed.
- 438227. VIR 4518. China, Peoples Repub of. Northeast. Seed.
- 438228. VIR 4519. China, Peoples Repub of. Northeast. Seed.
- 438229. VIR 4520. China, Peoples Repub of. Northeast. Seed.
- 438230. VIR 4521. China, Peoples Repub of. Northeast. Seed.
- 438231. VIR 4522. China, Peoples Repub of. Northeast. Seed.
- 438232. VIR 4523. China, Peoples Repub of. Northeast. Seed.
- 438233. VIR 4524. China, Peoples Repub of. Northeast. Seed.
- 438234. VIR 4525. China, Peoples Repub of. Northeast. Seed.
- 438235. VIR 4528. China, Peoples Repub of. Northeast. Seed.
- 438236. VIR 4529. China, Peoples Repub of. Northeast. Seed.
- 438237. VIR 4531. China, Peoples Repub of. Northeast. Seed.
- 438238. VIR 4534. China, Peoples Repub of. Northeast. Seed.
- 438239. VIR 4536. China, Peoples Repub of. Northeast. Seed.
- 438240. VIR 4537. China, Peoples Repub of. Northeast. Seed.
- 438241. VIR 4582. China, Peoples Repub of. Northeast. Seed.
- 438242. VIR 4583. China, Peoples Repub of. Northeast. Seed.

437069 TO 438513-continued

438243. VIR 4584. China, Peoples Repub of. Northeast. Seed.
438244. VIR 4586. China, Peoples Repub of. Northeast. Seed.
438245. VIR 4589. China, Peoples Repub of. Northeast. Seed.
438246. VIR 4596. China, Peoples Repub of. Northeast. Seed.
438247. VIR 4603. China, Peoples Repub of. Northeast. Seed.
438248. VIR 4703. China, Peoples Repub of. Northeast. Seed.
438249. VIR 4704. China, Peoples Repub of. Northeast. Seed.
438250. VIR 4705. China, Peoples Repub of. Northeast. Seed.
438251. VIR 4706. China, Peoples Repub of. Northeast. Seed.
438252. VIR 4707. China, Peoples Repub of. Northeast. Seed.
438253. VIR 4708. China, Peoples Repub of. Northeast. Seed.
438254. VIR 4709. China, Peoples Repub of. Northeast. Seed.
438255. VIR 4710. China, Peoples Repub of. Northeast. Seed.
438256. VIR 4711. China, Peoples Repub of. Northeast. Seed.
438257. VIR 4713. China, Peoples Repub of. Northeast. Seed.
438258. VIR 4714. China, Peoples Repub of. Northeast. Seed.
438259. VIR 4715. China, Peoples Repub of. Northeast. Seed.
438260. VIR 4862. China, Peoples Repub of. Northeast. Seed.
438261. VIR 4863. China, Peoples Repub of. Northeast. Seed.
438262. VIR 5016. China, Peoples Repub of. Northeast. Seed.
438263. VIR 5025. China, Peoples Repub of. Northeast. Seed.
438264. VIR 5035. China, Peoples Repub of. Northeast. Seed.
438265. VIR 5038. China, Peoples Repub of. Northeast. Seed.
438266. VIR 5039. China, Peoples Repub of. Northeast. Seed.
438267. VIR 5041. China, Peoples Repub of. Northeast. Seed.
438268. VIR 5042. China, Peoples Repub of. Northeast. Seed.

437069 TO 438513-continued

- 438269. VIR 5052. China, Peoples Repub of. Northeast. Seed.
- 438270. VIR 5053. China, Peoples Repub of. Northeast. Seed.
- 438271. VIR 5055. China, Peoples Repub of. Northeast. Seed.
- 438272. VIR 5057. China, Peoples Repub of. Northeast. Seed.
- 438273. VIR 5111. China, Peoples Repub of. Northeast. Seed.
- 438274. VIR 3673. Ahagara. Japan. Seed.
- 438275. VIR 5851. Bankoshi. Japan. Seed.
- 438276. VIR 871. Cai irazu. Japan. Seed.
- 438277. VIR 3667. Ciyo. Japan. Seed.
- 438278. VIR 5855. Daizu N2. Japan. Seed.
- 438279. VIR 5638. Eda-name. Japan. Seed.
- 438280. VIR 5858. Hakuko. Japan. Seed.
- 438281. VIR 5853. Kurosaya. Japan. Seed.
- 438282. VIR 5785. Nasu N5. Japan. Seed.
- 438283. VIR 5840. Okuhara N1. Japan. Seed.
- 438284. VIR 5859. Oonozairai A. Japan. Seed.
- 438285. VIR 5090. Tocio. Japan. Seed.
- 438286. VIR 5849. Tyakotsubu. Japan. Seed.
- 438287. VIR 1096. Tzuru no Tomo. Japan. Seed.
- 438288. VIR 5848. Wase-Kuro-Sengoku. Japan. Seed.
- 438289. VIR 623. Japan. Seed.
- 438290. VIR 1310. Japan. Seed.
- 438291. VIR 2994. Japan. Seed.
- 438292. VIR 3015. Japan. Seed.
- 438293. VIR 5832. Japan. Seed.
- 438294. VIR 5834. Japan. Seed.

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- 438295. VIR 5835. Japan. Seed.
- 438296. VIR 5628. A-110. Korea, Republic of. Seed.
- 438297. VIR 5246. Buc-he-do. Korea, Republic of. Seed.
- 438298. VIR 5311. Chu-zen N1. Korea, Republic of. Seed.
- 438299. VIR 5248. Gan-ge N16. Korea, Republic of. Seed.
- 438300. VIR 5629. Opal-kon. Korea, Republic of. Seed.
- 438301. VIR 2966. Pinazacon. Korea, Republic of. Seed.
- 438302. VIR 5247. Zan-dan-ber-mak. Korea, Republic of. Seed.
- 438303. VIR 2956. Korea, Republic of. Seed.
- 438304. VIR 2962. Korea, Republic of. Seed.
- 438305. VIR 2977. Korea, Republic of. Seed.
- 438306. VIR 2978. Korea, Republic of. Seed.
- 438307. VIR 2980. Korea, Republic of. Seed.
- 438308. VIR 2987. Korea, Republic of. Seed.
- 438309. VIR 3017. Korea, Republic of. Seed.
- 438310. VIR 4344. DV-2342. Korea, North. Seed.
- 438311. VIR 4343. DV-2370. Korea, North. Seed.
- 438312. VIR 5922. Blaen Small. Algeria. Seed.
- 438313. VIR 5865. Brun hatif Bonest. Algeria. Seed.
- 438314. VIR 5924. CNS 80A. Algeria. Seed.
- 438315. VIR 5927. CNS 89A. Algeria. Seed.
- 438316. VIR 5915. CNS 89B. Algeria. Seed.
- 438317. VIR 5919. Dan Ossiek 2. Algeria. Seed.
- 438318. VIR 5903. Greenish (grain vert fonce). Algeria. Seed.
- 438319. VIR 5918. Grignon 15. Algeria. Seed.
- 438320. VIR 5886. Grignon 17. Algeria. Seed.

437069 TO 438513-continued

- 438321. VIR 5876. Grignon 18. Algeria. Seed.
- 438322. VIR 5879. Grignon 21. Algeria. Seed.
- 438323. VIR 5890. Grignon 53-F-3. Algeria. Seed.
- 438324. VIR 5930. Jauneuni. Algeria. Seed.
- 438325. VIR 5920. Noir de Baumann. Algeria. Seed.
- 438326. VIR 5867. Poppelsdorf 238. Algeria. Seed.
- 438327. VIR 5908. Rameau 72. Algeria. Seed.
- 438328. VIR 5932. Reaz 20 bis. Algeria. Seed.
- 438329. VIR 5939. Reaz 20/46-230. Algeria. Seed.
- 438330. VIR 5875. Ronest 1. Algeria. Seed.
- 438331. VIR 5868. Ronest 13/A12. Algeria. Seed.
- 438332. VIR 5895. Ronest 71. Algeria. Seed.
- 438333. VIR 5940. Ronest 117. Algeria. Seed.
- 438334. VIR 5913. 250-207C. Algeria. Seed.
- 438335. VIR 5938. SAO 196-C. Algeria. Seed.
- 438336. VIR 5907. SAO 208. Algeria. Seed.
- 438337. VIR 5898. Schecken. Algeria. Seed.
- 438338. VIR 5935. Serda 213A. Algeria. Seed.
- 438339. VIR 5906. Serda (moych) 227. Algeria. Seed.
- 438340. VIR 5884. Tokio vert. Algeria. Seed.
- 438341. VIR 5923. Algeria. Seed.
- 438342. VIR 5289. Laredo J 767. Argentina. Seed.
- 438343. VIR 4469. Haberlandt. Australia. Seed.
- 438344. VIR 4465. Potch 36. Australia. Seed.
- 438345. VIR 4467. Potch 156. Australia. Seed.
- 438346. VIR 4468. Potch 313. Australia. Seed.

437069 TO 438513-continued

- 438347. VIR 4470. 35S.277. Australia. Seed.
- 438348. VIR 5698. Bolgarscaja 397. Bulgaria. Seed.
- 438349. VIR 5104. Chernaja VU 5832. Bulgaria. Seed.
- 438350. VIR 5105. Chernaja VU 5834. Bulgaria. Seed.
- 438351. VIR 5101. Locala 11. Bulgaria. Seed.
- 438352. VIR 5781. Pavliceni 1. Bulgaria. Seed.
- 438353. VIR 5784. Pavliceni 502. Bulgaria. Seed.
- 438354. VIR 5783. Pavliceni 519. Bulgaria. Seed.
- 438355. VIR 5092. Phruvirt. Bulgaria. Seed.
- 438356. VIR 5107. SS 427. Bulgaria. Seed.
- 438357. VIR 5095. VU-5817. Bulgaria. Seed.
- 438358. VIR 5096. VU-5819. Bulgaria. Seed.
- 438359. VIR 5098. VU-5823. Bulgaria. Seed.
- 438360. VIR 5100. VU-5828. Bulgaria. Seed.
- 438361. VIR 5103. VU-5831. Bulgaria. Seed.
- 438362. VIR 5075. Goldsoj. Canada. Seed.
- 438363. VIR 5904. Mandarin A. Canada. Seed.
- 438364. VIR 5739. Merit. Canada. Seed.
- 438365. VIR 4906. Monitoba. Canada. Seed.
- 438366. VIR 5721. Chmelarova Brnenska SVA. Czechoslovakia. Seed.
- 438367. VIR 5722. Dacota N3338. Czechoslovakia. Seed.
- 438368. VIR 5733. Jihomeravska zluta drobnozrna. Czechoslovakia. Seed.
- 438369. VIR 5760. Kromerizka zluta. Czechoslovakia. Seed.
- 438370. VIR 5745. Piava. Czechoslovakia. Seed.
- 438371. VIR 5780. Pulawska. Czechoslovakia. Seed.
- 438372. VIR 5748. Roudnieka Cerna. Czechoslovakia. Seed.

437069 TO 438513-continued

- 438373. VIR 5751. Ruska Zluta. Czechoslovakia. Seed.
- 438374. VIR 5755. Terrasol. Czechoslovakia. Seed.
- 438375. VIR 5734. Kamianotz No. 1. France. Seed.
- 438376. VIR 5757. Tokio vert. France. Seed.
- 438377. VIR 4011. Delitzscher. From Germany. Seed.
- 438378. VIR 4471. Dicmana 4. From Germany. Seed.
- 438379. VIR 4012. Dieckmann 18. From Germany. Seed.
- 438380. VIR 5099. Ger-Mjuller. From Germany. Seed.
- 438381. VIR 5097. Rejzen Zeltaja. From Germany. Seed.
- 438382. VIR 4968. Scorospelaja 8. From Germany. Seed.
- 438383. VIR 4396. Stamm Dornburger. From Germany. Seed.
- 438384. VIR 5267. From Germany. Seed.
- 438385. VIR 5712. Berkner Geschehte. German Democratic Repub.
Seed.
- 438386. VIR 5713. Bitterhof b. German Democratic Repub. Seed.
- 438387. VIR 5889. Dieckmann's fruhe gelbe. German Democratic
Repub. Seed.
- 438388. VIR 5882. Dieckmann's hellgelbe. German Democratic Repub.
Seed.
- 438389. VIR 5723. Fruwirths Schwarze Pedeje. German Democratic
Repub. Seed.
- 438390. VIR 5682. Grange Neuve. German Democratic Repub. Seed.
- 438391. VIR 5731. Heimkraft II. Germany, Federal Rep of. Seed.
- 438392. VIR 5754. Schwarze Poppelsdorfer. Germany, Federal Rep
of. Seed.
- 438393. VIR 5758. Wolfsthaler. Germany, Federal Rep of. Seed.
- 438394. VIR 5811. Altonagaarden. Hungary. Seed.
- 438395. VIR 5797. Balvansca. Hungary. Seed.
- 438396. VIR 5816. Brillmayer. Hungary. Seed.

437069 TO 438513-continued

- 438397. VIR 5094. Budapestscaja 7. Hungary. Seed.
- 438398. VIR 5805. Cleistogama. Hungary. Seed.
- 438399. VIR 4897. Corona. Hungary. Seed.
- 438400. VIR 5799. Dippes Fruhgelbe. Hungary. Seed.
- 438401. VIR 5666. GA-12. Hungary. Seed.
- 438402. VIR 5670. GS-3. Hungary. Seed.
- 438403. VIR 5724. Grignon 5. Hungary. Seed.
- 438404. VIR 5725. Grignon 14. Hungary. Seed.
- 438405. VIR 5726. Grignon 17. Hungary. Seed.
- 438406. VIR 5789. Grignon 45. Hungary. Seed.
- 438407. VIR 5669. Iregi 1. Hungary. Seed.
- 438408. VIR 5203. Keszthelyi. Hungary. Seed.
- 438409. VIR 5735. Kleverhof 527. Hungary. Seed.
- 438410. VIR 5684. Mauthners Gelbe. Hungary. Seed.
- 438411. VIR 5800. Orhrolwuca. Hungary. Seed.
- 438412. VIR 5793. Palmetto. Hungary. Seed.
- 438413. VIR 5744. Pannonia 8. Hungary. Seed.
- 438414. VIR 5747. Riede 525. Hungary. Seed.
- 438415. VIR 5749. Ronest 4. Hungary. Seed.
- 438416. VIR 5798. Ronest 29. Hungary. Seed.
- 438417. VIR 5794. Ronest 250. Hungary. Seed.
- 438418. VIR 5686. Soto. Hungary. Seed.
- 438419. VIR 5817. SWHN. Hungary. Seed.
- 438420. VIR 4899. Szurcebarat. Hungary. Seed.
- 438421. VIR 5685. Tokio jaune. Hungary. Seed.
- 438422. VIR 4900. Universal. Hungary. Seed.

437069 TO 438513-continued

- 438423. VIR 5818. Zagrebacka Rana. Hungary. Seed.
- 438424. VIR 5481. India. Seed.
- 438425. VIR 5482. India. Seed.
- 438426. VIR 5530. India. Seed.
- 438427. VIR 5532. India. Seed.
- 438428. VIR 5702. Indonesia. Seed.
- 438429. VIR 5704. Indonesia. Seed.
- 438430. VIR 5528. Israel. Seed.
- 438431. VIR 5529. Israel. Seed.
- 438432. VIR 5823. Israel. Seed.
- 438433. VIR 5229. Italy. Seed.
- 438434. VIR 5860. Brun. Morocco. Seed.
- 438435. VIR 5861. CNS 657. Morocco. Seed.
- 438436. VIR 5862. Harbinsoy 248. Morocco. Seed.
- 438437. VIR 5318. Morocco. Seed.
- 438438. VIR 5535. Nepal. Seed.
- 438439. VIR 5775. Nepal. Seed.
- 438440. VIR 5786. Nepal. Seed.
- 438441. VIR 5085. Cajaga. Netherlands. Seed.
- 438442. VIR 5086. Desma. Netherlands. Seed.
- 438443. VIR 5711. Barburka Przebedowska. Poland. Seed.
- 438444. VIR 5774. Brunatna. Poland. Seed.
- 438445. VIR 5719. Bydgoska 057. Poland. Seed.
- 438446. VIR 5773. Czarna SWHN. Poland. Seed.
- 438447. VIR 5574. Dickmana. Poland. Seed.
- 438448. VIR 5577. Gisenska. Poland. Seed.

437069 TO 438513-continued

438449. VIR 5578. Kiszelnicka. Poland. Seed.
438450. VIR 5736. K.P. 3025. Poland. Seed.
438451. VIR 5740. Mlohowska. Poland. Seed.
438452. VIR 5678. Murzynka. Poland. Seed.
438453. VIR 5772. Pulawsna Zo'lta Weresna. Poland. Seed.
438454. VIR 5676. Zlotka. Poland. Seed.
438455. VIR 5680. Zolta Brzebedowska. Poland. Seed.
438456. VIR 5759. Zolta Z Zalna. Poland. Seed.
438457. VIR 5756. Tokio noir. Portugal. Seed.
438458. VIR 5237. Dieckmann. Romania. Seed.
438459. VIR 5493. Herb 22. Romania. Seed.
438460. VIR 5238. Herb 91. Romania. Seed.
438461. VIR 5236. Herb 616. Romania. Seed.
438462. VIR 5233. Herb 619. Romania. Seed.
438463. VIR 5235. Herb 620. Romania. Seed.
438464. VIR 5576. Jaune de Desna. Romania. Seed.
438465. VIR 5901. Mandohu Roudnice 86. Romania. Seed.
438466. VIR 5746. Precoce de Milly. Romania. Seed.
438467. VIR 5234. Rejner. Romania. Seed.
438468. VIR 5106. Rejner 12. Romania. Seed.
438469. VIR 5494. Romania. Seed.
438470. VIR 5777. Romania. Seed.
438471. VIR 5588. Fiskeby III. Sweden. Seed.
438472. VIR 5580. Fiskeby 20. Sweden. Seed.
438473. VIR 5593. Fiskeby 827-4-23. Sweden. Seed.
438474. VIR 5825. Fiskeby 827-7-23-46. Sweden. Seed.

437069 TO 438513-continued

- 438475. VIR 5582. Fiskeby 840-2-7. Sweden. Seed.
- 438476. VIR 5583. Fiskeby 840-5-3. Sweden. Seed.
- 438477. VIR 5826. Fiskeby 840-7-3. Sweden. Seed.
- 438478. VIR 5594. Fiskeby 843-20-1. Sweden. Seed.
- 438479. VIR 5595. Fiskeby 843-20-2. Sweden. Seed.
- 438480. VIR 5591. Fiskeby 856-3-3. Sweden. Seed.
- 438481. VIR 5590. Fiskeby 856-3-34. Sweden. Seed.
- 438482. VIR 5828. Fiskeby 882-27. Sweden. Seed.
- 438483. VIR 5830. Fiskeby 1040-4-2. Sweden. Seed.
- 438484. VIR 21. AC. United States. Seed.
- 438485. VIR 55. Eaird. United States. Seed.
- 438486. VIR 63. Black Eyebrow. United States. Seed.
- 438487. VIR 449. Chesnut. United States. Seed.
- 438488. VIR 5720. Chesnut Washington. United States. Seed.
- 438489. VIR 27. Chiquita. United States. Seed.
- 438490. VIR 208. Ebony. United States. Seed.
- 438491. VIR 56. Edna. United States. Seed.
- 438492. VIR 178. Elton. United States. Seed.
- 438493. VIR 969. Elton early. United States. Seed.
- 438494. VIR 61. Ito san. United States. Seed.
- 438495. VIR 85. Iaredo. United States. Seed.
- 438496. VIR 195. Peking. United States. Seed.
- 438497. VIR 206. Peking. United States. Seed.
- 438498. VIR 28. Sable. United States. Seed.
- 438499. VIR 127. Sobol 170. United States. Seed.
- 438500. VIR 76. Virginia. United States. Seed.

437069 TO 438513-continued

- 438501. VIR 199. Wilson. United States. Seed.
- 438502. VIR 3944. W.L.A. United States. Seed.
- 438503. VIR 60. Wu Dow. United States. Seed.
- 438504. VIR 24a. United States. Seed.
- 438505. VIR 24b. United States. Seed.
- 438506. VIR 54. United States. Seed.
- 438507. VIR 92. United States. Seed.
- 438508. VIR 154. United States. Seed.
- 438509. VIR 202. United States. Seed.
- 438510. VIR 5543. Danaca. Yugoslavia. Seed.
- 438511. VIR 5542. Dobrudza. Yugoslavia. Seed.
- 438512. VIR 5451. MNCH Dieckmanns Grundgelbe. Yugoslavia. Seed.
- 438513. VIR 5317. Novosadsca bz 7. Yugoslavia. Seed.

438514. *Stachys affinis* Bunge (Lamiaceae) Chinese artichoke.

From Japan. Donated by Takii & Company, Ltd., Kyoto.
Received January 1980.

Kyoto-fu. Received as synonym, *S. sieboldii*. Cultivated.
Tubers.

438515 TO 438519. *Lens culinaris* Medik. (Fabaceae) Lentil.

From Turkey. Donated by Osman Tosun, Ziraat Facultesi,
Universitesi of Ankara, Ankara. Received through W. J.
Kaiser, Regional Plant Introduction Station, Pullman,
Washington.
Received December 1979.

- 438515. K.No. 60L11. Kislik Pul 11. Winter type. Cultivated.
Seed.
- 438516. K.No. 60L21. Kislik Yesil 21. Winter type. Cultivated.
Seed.
- 438517. K.No. 60L31. Kislik Yesil 31. Winter type. Cultivated.
Seed.

438515 TO 438519--continued

438518. K.No. 60L41. Kislik Kirmizi 41. Winter type. Cultivated. Seed.

438519. K.No. 60I51. Kislik Kirmizi 51. Winter type. Cultivated. Seed.

438520 TO 438525. *Festuca arundinacea* Schreb. (Poaceae) Tall fescue.

From Japan. Donated by Laboratory of Grass Breeding, Second Div. of Grassland Development, Hokkaido Nat. Agric. Expt. Sta., Sapporo, Hokkaido. Received through UJNR Project on Forage Crop Germplasm Exchange & Evaluation. Code numbers refer to 1976 National Grassland Research Institute listing. Received December 1978.

438520. SA2-60075. Selected from 'Kennont'. Cultivated. Seed.

438521. SA2-60082. Selected from 'Kennont'. Cultivated. Seed.

438522. SA2-60085. Selected from 'Kennont'. Cultivated. Seed.

438523. SA2-60154. Selected from 'Kenwell'. Cultivated. Seed.

438524. SA2-60175. Sapporo. Cultivated. Seed.

438525. SA2-60190. Sapporo. Cultivated. Seed.

438526 TO 438529. *Poa pratensis* L. (Poaceae) Kentucky bluegrass.

From Japan. Donated by Laboratory of Grass Breeding, Second Div. of Grassland Development, Hokkaido Nat. Agric. Expt. Sta., Sapporo, Hokkaido. Received through UJNR Project on Forage Crop Germplasm Exchange & Evaluation. Code numbers refer to 1976 National Grassland Research Institute listing. Received December 1978.

438526. SA2-07121. Cultivated. Seed.

438527. SA2-07122. Cultivated. Seed.

438528. SA2-07123. Cultivated. Seed.

438529. SA2-07124. Cultivated. Seed.

438530. *Abelmoschus esculentus* (L.) Moench (Malvaceae) Okra.

From Belize. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.

438530-continued

Received December 1979.

W-C 2234. Collected February 01, 1979. Pa Achaca. Fods white, 15cm long. Cultivated. Seed.

438531 TO 438538. Capsicum annum L. (Solanaceae).

From Belize. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

- 438531. W-C 2225. Chile verde. Collected February 01, 1979. Pa Achaca. Fruit slender, pungent, red, 1 cm wide by 6cm long. Cultivated. Seed.
- 438532. W-C 2226. Chile habanero rojo. Collected February 01, 1979. Pa Achaca. Fruit ovoid, pungent, red, 2.5cm wide, 3cm long. Cultivated. Seed.
- 438533. W-C 2227. Chile verde. Collected February 01, 1979. Pa Achaca. Fruit elongated, pointed, 3cm wide, 8cm long. Cultivated. Seed.
- 438534. W-C 2228. Collected February 01, 1979. Pa Achaca. Fruit mildly pungent, yellow, 4cm wide at base, 8cm long. Cultivated. Seed.
- 438535. W-C 2229. Chile habanero amarillo. Collected February 01, 1979. Pa Achaca. Fruit ovate, pungent, yellow, 1 cm wide, 2cm long. Cultivated. Seed.
- 438536. W-C 2230. Chile verde. Collected February 01, 1979. Pa Achaca. Fruit slender, 2.5cm wide, 15cm long. Cultivated. Seed.
- 438537. W-C 2236. Chile verde criollo. Collected February 01, 1979. Pa Achaca. Fruit slender, curved, pungent, red, 1.5cm wide, 7cm long. Cultivated. Seed.
- 438538. W-C 2246. Dzabalan. Collected February 01, 1979. Concepcion. Fruit pungent, red, 0.75cm wide, 3cm long. Cultivated. Seed.

438539 TO 438540. Capsicum sp. (Solanaceae).

From Belize. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

438539 TO 438540--continued

438539. W-C 2231. Collected February 01, 1979. Pa Achaca. Plant large, perennial. Fruit 0.5cm wide, 1 cm long. Cultivated. Seed.

438540. W-C 2232. Collected February 01, 1979. Pa Achaca. Fruit pungent, red, 0.6cm wide, 1.5cm long. Cultivated. Seed.

438541 TO 438543. Cucurbita lundelliana Bailey (Cucurbitaceae).

From Belize. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438541. W-C 2240. Peten Gourd. Collected February 01, 1979. Pa Achaca. Fruit round to obovate, smooth, green with white stripes, 7cm wide, 10cm long. Peduncle 5-angled. Flesh white. Seeds acute at base, 0.9cm long, tan. Wild. Seed.

438542. W-C 2243. Peten Gourd. Collected February 01, 1979. Yo Chen. Leaves 3-lobed. Seeds acute at base, 0.8cm long, tan to gray. Wild. Seed.

438543. W-C 2250. Peten Gourd. Collected February 01, 1979. Corozal, near sugar mill. Seeds tan. Wild. Seed.

438544 TO 438547. Cucurbita mixta Pang. (Cucurbitaceae).

From Belize. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438544. W-C 2237. Xtop. Collected February 01, 1979. Pa Achaca. Seeds large, white. Cultivated. Seed.

438545. W-C 2242. Pepita gruesa. Collected February 01, 1979. Yo Chen. Seed favorite for eating. Cultivated. Seed.

438546. W-C 2244. Xtop. Collected February 01, 1979. San Joaquin. Seeds large. Cultivated. Seed.

438547. W-C 2245. Collected February 01, 1979. Concepcion. Seeds large, gray border. Cultivated. Seed.

438548 TO 438553. Cucurbita moschata (Duch.) Duch. ex Foir. (Cucurbitaceae) Squash.

From Belize. Collected by H. F. Winters and R. L. Clark, USDA,

438548 TO 438553-continued

Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

438548. W-C 2238. Pepita menuda. Collected February 01, 1979. Pa Achaca. Cultivated. Seed.

438549. W-C 2239. Collected February 01, 1979. Pa Achaca. Fruit long necked. Cultivated. Seed.

438550. W-C 2241. Collected February 01, 1979. Yo Chen. Fruit large, round. Cultivated. Seed.

438551. W-C 2247. Collected February 01, 1979. Concepcion. Fruit top-shape, whitish with tan, 26cm wide, 20cm long. Cultivated. Seed.

438552. W-C 2248. Collected February 01, 1979. Concepcion. Fruit flattened top-shape, deeply ribbed, white, mottled green and brown, 36cm wide, 18cm long. Cultivated. Seed.

438553. W-C 2249. Xnu Kun. Collected February 01, 1979. Concepcion. fruit depressed globose, ribbed, dark orange-brown, 28cm in diameter. Cultivated. Seed.

438554. *Gossypium* sp. (Malvaceae) Cotton.

From Belize. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

W-C 2233. Collected February 01, 1979. Pa Achaca. Push to 2m. Lint white. Cultivated. Seed.

438555. *Lycopersicon esculentum* Mill. (Solanaceae) Tomato.

From Belize. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

W-C 2235. Tomate indio. Collected February 01, 1979. Pa Achaca. Fruit flattened globose, 6 locules, 4cm long, 6cm wide. Cultivated. Seed.

438556. *Lycopersicon esculentum* var. *cerasiforme* (Dunal) A. Gray (Solanaceae) Cherry tomato.

From Belize. Collected by H. F. Winters and R. L. Clark, USDA,

438556-continued

Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

W-C 2251. Collected February 01, 1979. Calcote. Plants vigorous. Fruit 2.5cm diameter, red. Juice of green fruit taken for sore throat. Cultivated. Seed.

438557. *Abutilon* sp. (Malvaceae).

From Guatemala. Collected by H. F. Winters and E. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

W-C 2422. Collected February 21, 1979. Km 160, Zacapa-Chiquimula road, Chiquimula Dept. Shrub to 3m. Leaves cordate, 12cm diam. Flowers open flat, 9cm in diam., glossy yellow with dark reddish eye. Wild. Seed.

438558 TO 438565. *Capsicum annuum* L. (Solanaceae).

From Guatemala. Collected by H. F. Winters and E. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

438558. W-C 2419. Jalapena. Collected February 21, 1979. Near Chiquimula, Chiquimula Dept. Fruit conical, blunt apex, cracked skin, pungent, red, 2.5cm wide, 5cm long. Cultivated. Seed.

438559. W-C 2420. Serrano. Collected February 21, 1979. Near Chiquimula, Chiquimula Dept. Plant pubescent. Fruit conical, pungent, red, to 1.0cm wide and 4cm long. Cultivated. Seed.

438560. W-C 2421. Chile dulce. Collected February 21, 1979. Near Chiquimula, Chiquimula Dept. Fruit irregular conical, 3-lobed, sweet, red, 5cm wide, 10cm long. Cultivated. Seed.

438561. W-C 2430. Collected February 23, 1979. Km 268, road from Guatemala City to Puerto Barrios. Fruit pointed, pungent, red, 1 cm wide, 6cm long. Cultivated. Seed.

438562. W-C 2437. Chile pimenta. Collected February 24, 1979. Public market, Guatemala City. Fruit heart-shaped, red, 6cm wide, 9cm long. Flesh thick, sweet. Cultivated. Seed.

438563. W-C 2438. Chile baca. Collected February 24, 1979. Public market, Guatemala City. Fruit conical, thin

438558 TO 438565-continued

fleshed, pungent, red, 3.5cm wide, 8cm long. Cultivated. Seed.

438564. W-C 2443. Chile relleno. Collected February 26, 1979. San Diego, Km 110 Guatemala City to Coban. Fruit sweet. Cultivated. Seed.

438565. W-C 2453. Collected February 27, 1979. Public market, Coban, Alta Verapaz Dept. Fruit conical, pungent, red, 2cm wide, 4cm long. Cultivated. Seed.

438566 TO 438568. Capsicum sp. (Solanaceae).

From Guatemala. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438566. W-C 2429. Collected February 22, 1979. Ruins at Quirigua, Izabal Dept. Plants erect, 1 m tall. Fruit erect, ovoid, pungent, yellow, 0.5cm wide, 0.7cm long. Perennial herb. Wild. Seed.

438567. W-C 2452. Collected February 27, 1979. Public market, Coban, Alta Verapaz Dept. Fruit ovate, pointed, pungent, red, 0.5cm wide, 1.5cm long. Cultivated. Seed.

438568. W-C 2459. Chile caballo. Collected February 28, 1979. Public market, Chichicastenango, Quiche Dept. Fruit ovate-oblong, fleshy, yellow, 3cm wide, 4.5cm long. Seeds large, black. Cultivated. Seed.

438569. Catharanthus roseus (L.) G. Don (Apocynaceae).

From Guatemala. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2432. Collected February 23, 1979. Near Dole Company office, Morales, Izabal. Herb to 0.5m. Flowers varicously colored. Cultivated. Seed.

438570. Cucumis anguria L. (Cucurbitaceae) West indian gherkin.

From Guatemala. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2445. Collected February 26, 1979. Salama', Baja Verapaz Dept. Fruit slightly spiny, 4cm long. Wild. Seed.

438571 TO 438572. *Cucurbita ficifolia* Bouche (Cucurbitaceae) Figleaf gourd.

From Guatemala. Collected by H. F. Winters and R. L. Clark, USLA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438571. W-C 2455. Collected February 27, 1979. Km 85 road Patzan to Godinez, Chimaltenango Dept. 2460m. Fruit 25cm in diam., 45cm long, white. Flesh and seed white. Local name Chilacayote (Tzil-acayotli). Cultivated. Seed.

438572. W-C 2462. Farm at Km 128, road to Chichicastenango, Solola Dept. 2461m. Seed white. Local name Chilacayote (Tzil-acayotli). Cultivated. Seed.

438573 TO 438575. *Cucurbita maxima* Duch. (Cucurbitaceae) Winter squash.

From Guatemala. Collected by H. F. Winters and R. L. Clark, USLA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438573. W-C 2436. Collected February 24, 1979. Public market, Guatemala City. Fruit depressed globose, heavily ridged at base, apex flat, flat turban, mottled orange, green and tan. Commonly called Guicoy. Cultivated. Seed.

438574. W-C 2450. Collected February 27, 1979. Public market, Coban, Alta Verapaz Dept. Fruit depressed globose, orange marked with green. Flesh pale orange, lemon odor. Commonly called Guicoy. Cultivated. Seed.

438575. W-C 2456. Collected February 27, 1979. Km 85, road Patzun to Godinez, Chimaltenango Dept. Fruit flat, ribbed, orange color, 25cm wide, 15cm long. Flesh orange, lemon odor. Commonly called Guicoy. Cultivated. Seed.

438576 TO 438577. *Cucurbita moschata* (Duch.) Duch. ex Poir. (Cucurbitaceae) Squash.

From Guatemala. Collected by H. F. Winters and R. L. Clark, USLA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438576. W-C 2417. Collected February 21, 1979. Fuente de las Palmillas, Km 116, Guatemala City to Puertos Barrios. Fruit globose, hard rind, ribbed, orange buff. Flesh

438576 TO 438577-continued

greenish-orange. Common name Ayote. Cultivated. Seed.

438577. W-C 2424. Collected February 22, 1979. San Jorge, Zacapa Dept. Fruit large, crook neck. Cultivated. Seed.

438578 TO 438581. *Cucurbita pepo* L. (Cucurbitaceae) Pumpkin.

From Guatemala. Collected by H. F. Winters and E. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438578. W-C 2439. Collected February 24, 1979. Public market, Guatemala City. Commonly called Ayote. Cultivated. Seed.

438579. W-C 2441. Collected February 26, 1979. Tulumajillo, Km 88 on road Guatemala City to Coban. Cultivated. Seed.

438580. W-C 2442. Collected February 26, 1979. San Diego, Km 110 on road Guatemala City to Coban. Commonly called Ayote. Cultivated. Seed.

438581. W-C 2461. Collected February 28, 1979. Public market, Chichicastenango, Quiche Dept. Cultivated. Seed.

438582. *Cucurbita* sp. (Cucurbitaceae).

From Guatemala. Collected by H. F. Winters and E. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2416. Collected February 21, 1979. Km 51, near Sanarate on road Guatemala City to Puerto Barrios. Fruit elliptical, hard rind, green with white stripes at blossom end, 9cm long. Stem hard, ridged, spiny. Flesh light yellow. Commonly called Ayote de caballo. Wild. Seed.

438583. *Gossypium hirsutum* L. (Malvaceae) Upland cotton.

From Guatemala. Collected by H. F. Winters and E. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2431. Collected February 23, 1979. Km 268 on road Guatemala City to Puerto Barrios, Izabal Dept. Lint white. Cultivated. Seed.

438584. *Gossypium* sp. (Malvaceae) Cotton.

From Guatemala. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

W-C 2444. Collected February 26, 1979. Salama, Baja Verapaz Dept. Lint and linters brown. Wild. Seed.

438585. *Hordeum vulgare* L. (Poaceae) Barley.

From Guatemala. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

W-C 2440. Collected February 24, 1979. Public market, Guatemala City. Cultivated. Seed.

438586. *Houstonia serpyllacea* (Schlecht.) C. L. Sm. ex Greenm. (Rubiaceae).

From Guatemala. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

W-C 2458. Collected February 28, 1979. Km 139-40 road to Chichicastenango, Quiche Dept. Plants dwarf, creeping, mat forming. Flowers 1.1cm in diam., 4-petaled, white to pale lavender. Wild. Plants.

438587 TO 438590. *Lycopersicon esculentum* Mill. (Solanaceae) Tomato.

From Guatemala. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

438587. W-C 2426. Mandarina. Collected February 22, 1979. Estanzuela, Zacate Dept. Cultivated. Seed.

438588. W-C 2434. Manzano. Collected February 23, 1979. Airport, Dole Co., Morales, Izabal Dept. Plants vigorous. Fruit flattened globose, 3-7 lobes. Cultivated. Seed.

438589. W-C 2446. Mandarina. Collected February 26, 1979. Salama, Baja Verapaz Dept. Fruit flattened globose, 5cm in diam. Cultivated. Seed.

438587 TO 438590-continued

438590. W-C 2447. Ciruela. Collected February 26, 1979. Salama, Baja Verapaz Dept. Fruit oblong, red, 5cm long, 3cm wide. Cultivated. Seed.

438591 TO 438595. *Lycopersicon esculentum* var. *cerasiforme* (Dunal) A. Gray (Solanaceae) Cherry tomato.

From Guatemala. Collected by H. F. Winters and E. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438591. W-C 2425. Collected February 22, 1979. San Jorge, Zacapa Dept. Fruit globose, red, 1 cm in diam. Wild. Seed.

438592. W-C 2427. Collected February 22, 1979. Ruins at Quirigua, Izabal Dept. Fruit globose, red, 1 cm in diam. Wild. Seed.

438593. W-C 2428. Collected February 22, 1979. Banana field near Quirigua, Izabal Dept. Fruit globose, red, 1 cm in diam. Wild. Seed.

438594. W-C 2433. Collected February 23, 1979. Near Dole Co. office, Morales, Izabal Dept. Fruit globose, red, 1.7cm in diam. Wild. Seed.

438595. W-C 2448. Collected February 26, 1979. Salama, Baja Verapaz Dept. Fruit globose, red, 1.2cm in diam. Wild. Seed.

438596. *Orthrosanthus chimboracensis* var. *centro-americanus* Steyermark (Iridaceae).

From Guatemala. Collected by H. F. Winters and E. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2454. Collected February 27, 1979. Pine forest, Km 137, road Coban to Guatemala City. 1500m. Plants 30cm tall. Flowers blue, 2cm in diam. Perennial herb. Wild. Seed.

438597 TO 438598. *Phaseolus coccineus* L. (Fabaceae) Scarlet runner bean.

From Guatemala. Collected by H. F. Winters and E. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant

438597 TO 438598-continued

Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

438597. W-C 2451. Collected February 27, 1979. Public market, Coban, Alta Verapaz Dept. Seeds large, plump, black. Cultivated. Seed.

438598. W-C 2460. Collected February 29, 1979. Public market, Chichicastenango, Quiche Dept. Seeds large, plump, red-brown speckled with tan. Cultivated. Seed.

438599. *Pouteria sapota* (Jacq.) H. E. Moore & Stearn (Sapotaceae).

From Guatemala. Collected by H. F. Winters and E. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

W-C 2463. Mamey sapote. Collected February 28, 1979. Lake Atitlan, Solola Dept. Cultivated. Seed.

438600 TO 438601. *Tabebuia* sp. (Bignoniaceae).

From Guatemala. Collected by H. F. Winters and E. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

438600. W-C 2418. Collected February 21, 1979. Finca El Oasis, La Fragua area, Zacapa Dept. Plants to 15m. Flowers tubular in tight cymes, pink. Tree. Cultivated. Seed.

438601. W-C 2435. Collected February 23, 1979. Km 166, road Guatemala City to Puerto Barrios, Izabal Dept. Plants to 15m. Flowers tubular in tight terminal cymes, 4cm long, 5cm spread, orchid lavender with yellow throat. Tree. Wild. Seed.

438602. *Tithonia* sp. (Asteraceae).

From Guatemala. Collected by H. F. Winters and E. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

W-C 2449. Collected February 27, 1979. Salama, Baja Verapaz Dept. Plants to 1.5m. Flowers yellow, 10cm diam. Weed in fields. Wild. Seed.

438603. *Allium* sp. (Amaryllidaceae).

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2138. Collected January 26, 1979. Xocchel, Yucatan. Leaves narrow, flat, 15 cm long. Bulbs .75 cm diam., 1 cm long. Local name Cebollin. Cultivated. Bulbs.

438604. *Annona* sp. (Annonaceae).

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2078. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Plants 3m. Fruit heart shaped, pale rose, 0.5 to 1.5kg. Skin smooth with shallow depressions. Local name Anona.

438605. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2181. Collected January 29, 1979. Public Market, Merida, Yucatan. Seeds small, red, usually 2 per pod. Cultivated. Seed.

438606. *Asparagus* sp. (Liliaceae).

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2179. Collected January 28, 1979. Patio, Hotel Flamingo, Merida, Yucatan. Spiny vine, stems woody at base. Fruit with one lobe fertile. Cultivated. Seed.

438607. *Pithecoctenium echinatum* (Jacq.) K. Schum. (Bignoniaceae).

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.

438607-continued

Received December 1979.

W-C 2362. Collected February 13, 1979. Near river at km 40, hwy 190, Cazadero to Santa Domingo, Oaxaca. Pods oblong, 2-valved, hard, flat, echinate. Seeds flat, 2cm diam., with wings to 3cm. Wild. Seed.

438608 TO 438668. *Capsicum annuum* L. (Solanaceae).

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

438608. W-C 2057. Xcatic. Collected January 23, 1979. Suma, Yucatan. Fruit elongated, blunt at tip, pungent, 3cm diam., 7cm long. Cultivated. Seed.
438609. W-C 2058. Verde. Collected January 23, 1979. Suma, Yucatan. Fruit elongated, pungent, 1.5cm diam.; 5cm long. Cultivated. Seed.
438610. W-C 2059. Xcatic. Collected January 23, 1979. Suma, Yucatan. Fruit elongated, pungent, .75cm diam., 2.5cm long. Cultivated. Seed.
438611. W-C 2065. Dulce. Collected January 23, 1979. Unidad Venancio, Dzidzantun, Yucatan. Fruit irregular oblong, sweet, red, 6-8cm diam., 6-10cm long. Cultivated. Seed.
438612. W-C 2066. Xcatic. Collected January 23, 1979. Unidad Venancio, Dzidzantun, Yucatan. Fruit elongated, pungent, glossy red, 3cm diam., 12cm long. Cultivated. Seed.
438613. W-C 2067. Chahua. Collected January 23, 1979. Unidad Venancio, Dzidzantun, Yucatan. Fruit long slender, irregular, pungent, 1.5cm diam., 10cm long. Cultivated. Seed.
438614. W-C 2068. Habanero. Collected January 23, 1979. Unidad Venancio, Dzidzantun, Yucatan. Fruit long, oval, pointed, pungent, yellow, 2cm diam., 3cm long. Cultivated. Seed.
438615. W-C 2073. Dulce. Collected January 23, 1979. San Eduardo, Dzidzantun, Yucatan. Fruit irregular rounded, sweet, bright red, 5cm diam. Cultivated. Seed.
438616. W-C 2127. Xcatic. Collected January 26, 1979. Market, Muna, Yucatan. Fruit elongated, blunt tip, sweet red, 5cm diam., 10cm long. Cultivated. Seed.
438617. W-C 2128. Dulce. Collected January 26, 1979. Market,

438608 TO 438668-continued

- Muna, Yucatan. Fruit rounded, blunt, sweet, red, 6cm diam. Cultivated. Seed.
438618. W-C 2129. Xcatic. Collected January 26, 1979. Market, Muna, Yucatan. Fruit elongated, irregular, curved, red, 3cm diam., 20cm long. Cultivated. Seed.
438619. W-C 2137. Habanero rojo. Collected January 26, 1979. Xocchel, Yucatan. Fruit ovate, pointed, glossy dark red, 2cm diam., 4cm long. Cultivated. Seed.
438620. W-C 2139. Verde. Collected January 26, 1979. Tahnek, Yucatan. Cultivated. Seed.
438621. W-C 2146. Verde. Collected January 26, 1979. Kantunil, Yucatan. Fruit long slender, pungent, 1.5cm diam., 7cm long. Cultivated. Seed.
438622. W-C 2147. Habanero. Collected January 26, 1979. Libre Union. Fruit ovoid, pungent, dark orange, 2cm diam., 3.5cm long. Cultivated. Seed.
438623. W-C 2149. Verde. Collected January 26, 1979. Yaxcaba, Yucatan. Fruit pungent, dark red, 7cm long. Cultivated. Seed.
438624. W-C 2152. Colgante. Collected January 26, 1979. Hacienda Acanque, Seye, Yucatan. Fruit pendulous, 0.5cm diam., 2cm long. Cultivated. Seed.
438625. W-C 2153. Xmalha. Collected January 26, 1979. Hacienda Acanque, Seye, Yucatan. Fruit erect, 0.5cm diam., 2cm long. Cultivated. Seed.
438626. W-C 2154. Carizo. Collected January 26, 1979. Hacienda Acanque, Seye, Yucatan. Fruit elongate, curved, pointed, pungent, red, 1 cm diam., 6cm long. Cultivated. Seed.
438627. W-C 2155. Verde. Collected January 26, 1979. Seye, Yucatan. Fruit pungent, red, 2cm diam., 8cm long. Cultivated. Seed.
438628. W-C 2160. Mahsh. Collected January 25, 1979. Dzan, Yucatan. Plants to 1.2m. Fruit erect, pungent, 0.3cm diam., 0.5cm long. Cultivated. Seed.
438629. W-C 2167. Habanero amarillo. Collected January 25, 1979. Public market, Oxkutzcab, Yucatan. Fruit pointed, pungent, yellow, 2.5cm diam., 5cm long. Cultivated. Seed.
438630. W-C 2168. Habanero anaranjado. Collected January 25, 1979. Public market, Oxkutzcab, Yucatan. Fruit pointed, pungent, orange 2.5cm diam., 4cm long. Cultivated. Seed.

438608 TO 438668-continued

438631. W-C 2169. Habanero rojo. Collected January 25, 1979. Public market, Oxkutzcab, Yucatan. Fruit irregular, conical, pungent, dark red, 2.5cm diam., 4cm long. Cultivated. Seed.
438632. W-C 2173. Verde. Collected January 25, 1979. Pustunich, Yucatan. Fruit pungent, red, 2cm diam., 6cm long. Cultivated. Seed.
438633. W-C 2174. Blanco criollo ancho. Collected January 25, 1979. Pustunich, Yucatan. Fruit blunt tipped, pungent, red, 3cm diam., 7cm long. Cultivated. Seed.
438634. W-C 2175. Blanco criollo. Collected January 25, 1979. Pustunich, Yucatan. Fruit pungent, red, 2cm diam., 10cm long. Cultivated. Seed.
438635. W-C 2183. Habanero amarillo. Collected January 29, 1979. Public market, Yucatan. Fruit pointed, constricted near tip, 2.5cm diam., 5cm long. Cultivated. Seed.
438636. W-C 2186. Habanero No. 1. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 30, 1979. Fruit yellow, virus resistant. Cultivated. Seed.
438637. W-C 2187. Habanero No. 5. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 30, 1979. Fruit yellow, virus resistant. Cultivated. Seed.
438638. W-C 2188. Habanero No. 9. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 30, 1979. Fruit yellow, pungent. Cultivated. Seed.
438639. W-C 2189. Habanero No. 10. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 30, 1979. Fruit yellow, pungent. Cultivated. Seed.
438640. W-C 2190. Habanero No. 11. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 30, 1979. Fruit yellow, pungent. Cultivated. Seed.
438641. W-C 2191. Habanero No. 20. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 30, 1979. Fruit yellow, pungent. Cultivated. Seed.
438642. W-C 2192. Habanero No. 24. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 30, 1979. Fruit yellow, pungent, virus resistant. Cultivated. Seed.
438643. W-C 2193. Habanero No. 44. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 30, 1979. Fruit yellow, pungent. Cultivated. Seed.

438608 TO 438668-continued

438644. W-C 2194. Jalapeno rojo. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 30, 1979. Fruit red, pungent. Cultivated. Seed.
438645. W-C 2195. Jalapeno amarillo. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 30, 1979. Fruit yellow, pungent. Cultivated. Seed.
438646. W-C 2204. Dulce. Collected January 31, 1979. Unidad Tenabo, Tenabo, Campeche. Fruit sweet, red, 6cm diam., 10cm long. Cultivated. Seed.
438647. W-C 2205. Blanco criollo. Collected January 31, 1979. Unidad Tenabo, Tenabo, Campeche. Fruit conical, pungent, red, 2cm diam., 7cm long. Cultivated. Seed.
438648. W-C 2206. Habanero amarillo. Collected January 31, 1979. Unidad Tenabo, Tenabo, Campeche. Fruit ovate, pointed, pungent, yellow, 3cm diam., 4.5cm long. Cultivated. Seed.
438649. W-C 2207. Xcatic. Collected January 31, 1979. Unidad Tenabo, Tenabo, Campeche. Fruit conical, pungent, red, 3cm diam., 7cm long. Cultivated. Seed.
438650. W-C 2261. Verde. Collected February 02, 1979. Unidad Agricola Alvaro Obregon, Quintana Roo. Fruit pungent, red, 1 cm diam., 8cm long. Cultivated. Seed.
438651. W-C 2265. Cascabel. Mexico. Quintana Roo. Unidad Agricola Xul Ha. Collected February 02, 1979. Plants healthy. Fruit ovate to oblong, firm, smooth, pungent, dark red, 2cm diam., 3cm long. Cultivated. Seed.
438652. W-C 2271. Chilata. Collected February 05, 1979. Public market, Xochimilco, D.F. Fruit curved, blunt, very dark green, 4cm diam., 13cm long. Cultivated. Seed.
438653. W-C 2272. Buenos Caribe. Collected February 05, 1979. Public market, Xochimilco, D.F. Fruit conical, pungent, yellow-orange, 3.5cm diam., 6cm long. Cultivated. Seed.
438654. W-C 2273. Ancho colorado. Collected February 05, 1979. Public market, Xochimilco, D.F. Fruit conical, 5cm diam., 8cm long. Cultivated. Seed.
438655. W-C 2274. Guacilla pulla. Collected February 05, 1979. Public market, Xochimilco, D.F. Fruit long, pointed, pungent, red, 2cm diam., 8cm long. Cultivated. Seed.
438656. W-C 2275. Mulato. Collected February 05, 1979. Public market, Xochimilco, D.F. Fruit conical, 5cm diam., 10cm long. Cultivated. Seed.

438608 TO 438668-continued

438657. W-C 2276. Guajillo ancho. Collected February 05, 1979. Public market, Xochimilco, D.F. Fruit long conical, 3.5cm diam., 10cm long. Cultivated. Seed.
438658. W-C 2277. Catarina. Collected February 05, 1979. Public market, Xochimilco, D.F. Fruit ovate, 1.5cm diam., 4cm long. Cultivated. Seed.
438659. W-C 2278. Pasilla. Collected February 05, 1979. Public market, Xochimilco, D.F. Fruit oblong, pungent, red, 3cm diam., 12cm long. Cultivated. Seed.
438660. W-C 2279. Cascabel. Collected February 05, 1979. Public market, Xochimilco, D.F. Fruit ovate, pungent, red, 3cm diam., 4cm long. Cultivated. Seed.
438661. W-C 2280. de Arbol. Collected February 05, 1979. Public market, Xochimilco, D.F. Fruit slender, pointed, 1 cm diam., 7cm long. Cultivated, Seed.
438662. W-C 2291. Pimento. Collected February 05, 1979. Public market, Xochimilco, D.F. Fruit squarish, thick flesh, sweet, 6cm diam., 8cm long. Cultivated. Seed.
438663. W-C 2310. Jalapeno candelaria. Mexico. Cotaxtla, Vera Cruz. Campo Agricola. Collected February 09, 1979. Plant pubescent. Fruit conical, blunt, red, pungent, 6cm long. Cultivated. Seed.
438664. W-C 2324. Serrano. Collected February 10, 1979. Public market, San Andres Tuxtla, Veracruz. Fruit conical, pungent, bright red, 1 cm diam., 3cm long. Cultivated. Seed.
438665. W-C 2349. Parado, or Judio. Collected February 12, 1979. Guelatao de Juarez, Oaxaca. Fruit irregular, pointed, pungent, dark red, 0.6cm diam., 4cm long. Cultivated. Seed.
438666. W-C 2351. Guajillo. Collected February 12, 1979. Guelatao de Juarez, Oaxaca. Fruit oblong, pointed, pungent, red, 1.5cm diam., 6cm long. Cultivated. Seed.
438667. W-C 2409. Pararo. Collected February 16, 1979. Public market, San Cristobal de las Casas, Chiapas. Fruit slender, pungent, red, 5cm long. Cultivated. Seed.
438668. W-C 2410. Sinojovel. Collected February 16, 1979. Public market, San Cristobal de las Casas, Chiapas. Fruit conical, pungent, red, 1 cm diam., 2cm long. Cultivated. Seed.

438669. Capsicum sp. (Solanaceae).

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2350. Canario. Collected February 12, 1979. Guelataode Juarez, Oaxaca. Fruit ovate, blunt, pungent, 4cm diam., 6cm long. Seeds large, black. Cultivated. Seed.

438670. Carica papaya L. (Caricaceae) Papaya.

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2329. Collected February 11, 1979. Rancho los Gavilanes, Km 79 between Acayucan and Juchitan, Veracruz. Cultivated. Seed.

438671 TO 438677. Citrullus lanatus (Thunb.) Matsum. & Nakai (Cucurbitaceae) Watermelon.

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438671. W-C 2135. Collected January 26, 1979. Xocchel, Yucatan. Local name Criollo. Cultivated. Seed.

438672. W-C2140. Collected January 26, 1979. Tahmek, Yucatan. Fruit elongated, dark green. Cultivated. Seed.

438673. W-C 2161. Collected January 25, 1979. Dzan, Yucatan. Fruit elongated, black-green. Cultivated. Seed.

438674. W-C 2318. Collected February 10, 1979. Alvarado, Veracruz. Fruit cylindrical, dark green. Flesh red, not sweet. Seeds black. Local name Patzingan de Oaxaca. Cultivated. Seed.

438675. W-C 2382. Collected February 14, 1979. Near stream, south of Villa Flores, Chiapas. Local name Sandia criollo. Wild. Seed.

438676. W-C 2471. Charleston Gray. Mexico. Merida, Yucatan. INIA. Collected October 24, 1979. Santa Ursula, Dzidzantun, Yucatan. Obtained from Jaime Pina B. Probably local strain of Charleston Gray. Cultivated. Seed.

438671 TO 438677-continued

438677. W-C 2472. Jubilee. Mexico. Merida, Yucatan. INIA. Collected October 24, 1979. Santa Ursula, Dzidzantun, Yucatan. Obtained from Jaime Pina R. Probably local strain of Jubilee. Cultivated. Seed.

438678 TO 438679. *Cucumis anguria* L. (Cucurbitaceae) West indian gherkin.

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438678. W-C 2360. Collected February 13, 1979. Coastal lowland, Km 40 between Cazadero and Santo Domingo, Oaxaca. Fruit pale greenish yellow, with few blunt spines, 3cm diam., 5cm long. Wild. Seed.

438679. W-C 2377. Collected February 14, 1979. Rancho Panama, Villa Flores, Chiapas. Fruit oblong with short spines, 4cm diam., 6cm long. Wild. Seed.

438680 TO 438688. *Cucumis melo* L. (Cucurbitaceae) Muskmelon.

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438680. W-C 2132. Collected January 26, 1979. Public market, Muna, Yucatan. Fruit smooth, greenish white with green ribs, 6cm diam., 20cm long. Eaten as a cucumber. Locally called Pepino blanco. Cultivated. Seed.

438681. W-C 2142. Collected January 26, 1979. Tahmek, Yucatan. Said to have round hard fruit. Local name Coco melon. Cultivated. Seed.

438682. W-C 2143. Collected January 26, 1979. Tahmek, Yucatan. Fruit large, round. Locally called Gigante costillado. Cultivated. Seed.

438683. W-C 2144. Collected January 26, 1979. Tahmek, Yucatan. Locally called Pepino blanco. Cultivated. Seed.

438684. W-C 2151. Collected January 26, 1979. Piste, Yucatan. Locally called Pepino blanco. Cultivated. Seed.

438685. W-C 2223. Collected January 31, 1979. Villa Madero, Campeche. Locally called Coco melon. Cultivated. Seed.

438680 TO 438688-continued

438686. W-C 2316. Collected February 10, 1979. Alvarado, Veracruz. Cultivated. Seed.
438687. W-C 2389. Collected February 15, 1979. Public market, Ocozocoatla, Chiapas. Fruit sweet, 10cm diam. Cultivated. Seed.
438688. W-C 2473. Mexico. Merida, Yucatan. INIA. Collected November 24, 1979. Santa Ursula, Dzidzantun, Yucatan. Obtained from Jaime Pina R. Fruit white, resembles a cucumber. Locally called Pepino blanco. Cultivated. Seed.

438689 TO 438696. Cucurbita ficifolia Bouche (Cucurbitaceae) Figleaf gourd.

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438689. W-C 2283a. Collected February 05, 1979. Public market, Xochimilco, D.F. Fruit oblong, smooth, green reticulated, 13cm diam., 15cm long. Flesh white. Seeds white. Often candied. Locally called Chilacayote (Tzilacayotli). Cultivated. Seed.
438690. W-C 2283b. Collected February 05, 1979. Public market, Xochimilco, D.F. Fruit oblong, smooth, green reticulated. Flesh white. Seeds black. Cultivated. Seed.
438691. W-C 2297. Collected February 08, 1979. Colonia de la Laguna, Km 25, Fortin de las Flores to Huatusco, Veracruz. Fruit oblong, smooth, green reticulated, 15cm diam., 25cm long. Seeds black. Cultivated. Seed.
438692. W-C 2340. Collected February 12, 1979. Km 219, Oaxaca to Guelatao de Juarez, Oaxaca. Fruit oblong, smooth, dark green, lighter stripes. Flesh white. Seeds black. Cultivated. Seed.
438693. W-C 2344. Collected February 12, 1979. Guelatao de Juarez, Oaxaca. Fruit oblong, smooth, white, reticulated dark green. Seeds black. Cultivated. Seed.
438694. W-C 2348. Collected February 12, 1979. Guelatao de Juarez, Oaxaca. Seeds black. Cultivated. Seed.
438695. W-C 2354. Collected February 12, 1979. Totolapan, Oaxaca. Seeds black. Cultivated. Seed.
438696. W-C 2412. Collected February 16, 1979. Public market,

438689 TO 438696-continued

San Cristobal de las Casas, Chiapas. Seeds tan.
Cultivated. Seed.

438697. *Cucurbita lundelliana* Bailey (Cucurbitaceae).

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2266. Mexico. Quintana Roo. Unidad Agricola Xul Ha. Collected February 02, 1979. Vine trailing on ground, medium vigor. Leaves trilobed. Fruit oblong, green striped, 4cm diam., 6cm long. Seeds obovate, pointed at base, tan to gray. Fruit used as soap substitute. Wild. Seed.

438698. *Cucurbita martinezii* L. H. Bailey (Cucurbitaceae).

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2295. Collected February 08, 1979. Along road at edge Fortin de las Flores, Veracruz. Fruit round, hard, smooth, light green, buff mottling, striped at blossom end. Flesh white. Seeds obovate, pointed, margined, light gray, .5-.7cm wide, 1.0-1.2cm long. Locally called Morchete. Wild. Seed.

438699 TO 438722. *Cucurbita mixta* Pang. (Cucurbitaceae).

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438699. W-C 2072. Collected January 23, 1979. San Eduardo, near Dzidzantun, Yucatan. Fruit oblate, slightly ribbed, dull yellow and green, rind hard, flesh orange. Cultivated. Seed.

438700. W-C 2122. Collected January 29, 1979. Piste, Yucatan. Cultivated. Seed.

438701. W-C 2145. Collected January 26, 1979. Tahmek, Yucatan. Cultivated. Seed.

438702. W-C 2162. Collected January 25, 1979. Dzan, Yucatan.

438699 TO 438722-continued

Cultivated. Seed.

438703. W-C 2163. Collected January 25, 1979. Dzan, Yucatan. Cultivated. Seed.
438704. W-C 2180. Collected January 29, 1979. Public market, Merida, Yucatan. Seeds large, white, border thick gray. Cultivated. Seed.
438705. W-C 2202. Collected January 31, 1979. Tinun, Campeche. Seeds large, white, border gray. Cultivated. Seed.
438706. W-C 2203. Collected January 31, 1979. Tinun, Campeche. Fruit round, smooth. Seeds medium, white, border gray. Cultivated. Seed.
438707. W-C 2216. Collected January 31, 1979. Vicente Guerrero, Campeche. Seeds medium, white, gray border. Favorite for eating. Locally called Xtop. Cultivated. Seed.
438708. W-C 2288b. Collected February 08, 1979. Yanga, Veracruz. Locally called Tallallota. Cultivated. Seed.
438709. W-C 2289. Collected February 08, 1979. Yanga, Veracruz. Locally called Pipiana. Seeds white with wide gray border. Cultivated. Seed.
438710. W-C 2292. Collected February 08, 1979. Public market, Cordoba, Veracruz. Seeds long slender. Cotyledons green. Good for eating. Cultivated. Seed.
438711. W-C 2300. Collected February 08, 1979. Colonia de las Flores, Km 25 between Huatusco and Veracruz, Veracruz. Cultivated. Seed.
438712. W-C 2315. Collected February 09, 1979. Paso de Ovejas, Veracruz. Seeds long, white with gray border. Locally called Pipiana. Cultivated. Seed.
438713. W-C 2331. Collected February 11, 1979. Rancho las Pinas, between Acayucan and Juchitan, Veracruz. Seeds large, white, wide gray border. Cultivated. Seed.
438714. W-C 2346. Collected February 12, 1979. Guelatao de Juarez, Oaxaca. Seeds elongated, white, narrow gray border. Locally called Chompa. Cultivated. Seed.
438715. W-C 2347. Collected February 12, 1979. Guelatao de Juarez, Oaxaca. Seeds elongated, tan. Locally called Huiche. Cultivated. Seed.
438716. W-C 2352. Collected February 12, 1979. Colonia de Cumbre, between Oaxaca and Guelatao de Juarez, Oaxaca.

438699 TO 438722-continued

Fruit obovate, slightly ribbed, mottled light and dark green. Peduncle not flared. Seeds slender, to 3cm long, tan. Locally called Huiche. Cultivated. Seed.

438717. W-C 2355. Collected February 12, 1979. Totolapan, Oaxaca. Seeds long, slender, tan. Locally called Huiche. Cultivated. Seed.

438718. W-C 2357. Collected February 13, 1979. Totolapan, Oaxaca. Fruit round, smooth, light tan and yellow, 20cm diam. Stem bulbous, soft, not flared. Seeds slender, white, gray border, 3cm long. Locally called Chompa. Cultivated. Seed.

438719. W-C 2464. Mexico. Mexico, D.F. INIA. Collected February 05, 1979. Public market, Jalapa, Veracruz. Obtained from F. Cardenas R. Seeds large, white, bordered gray. Cultivated. Seed.

438720. W-C 2465. Mexico. Mexico, D.F. INIA. Collected February 05, 1979. Merida, Yucatan. Obtained from F. Cardenas R. Seeds elongated, white, light gray border. Cultivated. Seed.

438721. W-C 2469. Mexico. Mexico, D.F. INIA. Collected February 05, 1979. Merida, Yucatan. Obtained from F. Cardenas R. Seeds ovate, small, white. Cultivated. Seed.

438722. W-C 2470. Mexico. Mexico, D.F. INIA. Collected February 05, 1979. Roadside market, Veracruz. Obtained from F. Cardenas R. Fruit pear shaped, 1.8kg. Seeds white with dark border. Cultivated. Seed.

438723 TO 438808. *Cucurbita moschata* (Duch.) Duch. ex Poir.
(Cucurbitaceae) Squash.

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438723. W-C 2060a. Collected January 23, 1979. Suma, Yucatan. Fruit flat, many lobed, dull yellow. Eaten when young. Locally called Kanasin. Cultivated. Seed.

438724. W-C 2097. Collected January 25, 1979. Muna, Yucatan. Obtained from Moises Gomez. Fruit flattened ovoid, ribbed, buff. Rind hard. Flesh thick, orange. Locally called Tockun. Cultivated. Seed.

438725. W-C 2098. Collected January 25, 1979. Muna, Yucatan. Obtained from Moises Gomez. Fruit ovoid, slightly ribbed,

438723 TO 438808-continued

- buff. Locally called Tockun. Cultivated. Seed.
438726. W-C 2099. Collected January 25, 1979. Muna, Yucatan. Obtained from Moises Gomez. Fruit large, short ovoid, shallow ribs, buff. Flesh thick, orange. Locally called Tockun. Viviparous. Cultivated. Seed.
438727. W-C 2100. Collected January 25, 1979. Muna, Yucatan. Obtained from Moises Gomez. Fruit oblong, slightly ribbed, dark buff, 15cm diam., 35cm long, small cavity. Flesh thick, orange. Cultivated. Seed.
438728. W-C 2101. Collected January 25, 1979. Muna, Yucatan. Obtained from Moises Gomez. Fruit medium, flat-oblate, ribbed, dark buff. Rind hard. Flesh thick, orange. Commonly called Tockun. Cultivated. Seed.
438729. W-C 2102. Collected January 25, 1979. Muna, Yucatan. Obtained from Moises Gomez. Fruit small, flat-oblate, slightly ribbed. Rind very hard. Flesh thick, dark orange. Commonly called Cascara Dura. Cultivated. Seed.
438730. W-C 2103. Collected January 25, 1979. Pustunich, Yucatan. Fruit small, flattened. Cultivated. Seed.
438731. W-C 2104. Collected January 25, 1979. Pustunich, Yucatan. Fruit flattened-oblate, deeply ribbed at base, dark buff. Rind hard. Flesh medium thick, light orange. Locally called Knoc kun (Cascara dura). Cultivated. Seed.
438732. W-C 2105. Collected January 25, 1979. Pustunich, Yucatan. Fruit extremely flat, deeply lobed, dark buff, reticulated dark green. Flesh thin, dark orange. Cultivated. Seed.
438733. W-C 2107. Collected January 25, 1979. Cxkutzcab, Yucatan. Fruit small, flat, ribbed, dark brown. Rind thin. Flesh medium thick, dark orange. Cultivated. Seed.
438734. W-C 2108. Collected January 25, 1979. Oxkutzcab, Yucatan. Fruit ribbed, buff, dark green mottling. Cultivated. Seed.
438735. W-C 2110. Collected January 26, 1979. Xochel, Yucatan. Fruit oblate-flattened, ribbed, buff. Rind hard. Many seeded. Cultivated. Seed.
438736. W-C 2111. Collected January 26, 1979. Xochel, Yucatan. Fruit spherical, ribbed, light tan. Rind very hard. Cultivated. Seed.
438737. W-C 2112. Collected January 26, 1979. Xochel, Yucatan. Fruit large, ovoid, ribbed, light tan, mottled dark green. Rind very hard. Seeds many, plump. Cultivated. Seed.

438723 TO 438808-continued

438738. W-C 2114. Collected January 26, 1979. Yaxcaba, Yucatan. Fruit large, ovoid, slightly ribbed, slightly warty, pale buff. Rind hard. Cultivated. Seed.
438739. W-C 2115. Collected January 26, 1979. Kantunil, Yucatan. Fruit small, deeply ribbed at stem end, apically dome-shaped, smooth, dark orange buff, marked brown. Rind soft. Cultivated. Seed.
438740. W-C 2116. Collected January 26, 1979. Kantunil, Yucatan. Fruit flattened ovoid. Slightly ribbed, pale tan and light brown. Rind medium hard. Flesh dark orange. Cultivated. Seed.
438741. W-C 2117. Collected January 26, 1979. Kantunil, Yucatan. Fruit spherical, slightly ribbed, orange-buff. Rind hard. Flesh thin, pale orange. Cultivated. Seed.
438742. W-C 2118. Collected January 26, 1979. Holcah, Yucatan. Fruit flattened oblate, ribbed, brown. Rind medium hard. Flesh thick, orange. Cultivated. Seed.
438743. W-C 2119. Collected January 26, 1979. Holcah, Yucatan. Fruit large, curved, club-shaped, ribbed, pale tan, 15cm diam., 45cm long. Rind hard. Flesh thin, dark orange. Cultivated. Seed.
438744. W-C 2120. Collected January 26, 1979. Piste, Yucatan. Fruit ovoid, heavily ribbed near stem end, dome-shaped at apex, pale tan marked green. Cultivated. Seed.
438745. W-C 2121. Collected January 26, 1979. Piste, Yucatan. Fruit long crook-neck, smooth. Rind hard. Cultivated. Seed.
438746. W-C 2126. Collected January 26, 1979. Emiliano Zapata, Yodzonot Carretera, Yucatan. Fruit large, ovoid, flattened at ends, shallow ribs, buff. Rind soft. Flesh yellow. Cultivated. Seed.
438747. W-C 2133. Collected January 26, 1979. Holcah, Yucatan. Cultivated. Seed.
438748. W-C 2136. Collected January 26, 1979. Xocchel, Yucatan. Cultivated. Seed.
438749. W-C 2197. Collected January 30, 1979. Near Edzna Ruins, Campeche. Fruit sub-globose, deeply ribbed, tan. Flesh orange. Cultivated. Seed.
438750. W-C 2198. Collected January 31, 1979. Tenabo, Campeche. Cultivated. Seed.

438723 TO 438808-continued

438751. W-C 2199. Collected January 31, 1979. Tenabo, Campeche. Cultivated. Seed.
438752. W-C 2201. Collected January 31, 1979. Tenabo, Campeche. Cultivated. Seed.
438753. W-C 2208. Collected January 31, 1979. Public market, Campeche, Campeche. Fruit flat, 10 lobed, 25cm diam., tan with dark green reticulations. Cultivated. Seed.
438754. W-C 2209. Collected January 31, 1979. Public market, Campeche, Campeche. Fruit flattened top-shape, lobed at base, brown and tan. Cultivated. Seed.
438755. W-C 2210. Collected January 31, 1979. Public market, Campeche, Campeche. Fruit flattened, deep lobes reflexed at stem end, dark tan, mottled, dark green, 23cm diam. Cultivated. Seed.
438756. W-C 2211. Collected January 31, 1979. Tinun, Campeche. Fruit oblate, deeply lobed, warty, 25cm diam. Cultivated. Seed.
438757. W-C 2212. Collected January 31, 1979. Tinun, Campeche. Fruit flattened, deeply lobed, tan, heavily mottled dark green. Cultivated. Seed.
438758. W-C 2213. Collected January 31, 1979. Tinun, Campeche. Fruit obovate, faintly ribbed, nearly white, 15cm diam., 25cm long. Cultivated. Seed.
438759. W-C 2214. Collected January 31, 1979. Tinun, Campeche. Fruit flattened ovate, shallow ribs, white, 23cm diam. Cultivated. Seed.
438760. W-C 2215. Collected January 31, 1979. Tinun, Campeche. Fruit ovoid, shallow ribs, white, 17cm diam., 23cm long. Flesh cream. Cultivated. Seed.
438761. W-C 2218. Collected January 31, 1979. Vicente Guerrero, Campeche. Fruit top shaped, medium ribbed, light brown, 25cm diam., 25cm long. Cultivated. Seed.
438762. W-C 2219. Collected January 31, 1979. Vicente Guerrero, Campeche. Fruit flattened, shallow ribs, dark tan, 20cm diam. Cultivated. Seed.
438763. W-C 2220. Collected January 31, 1979. Vicente Guerrero, Campeche. Fruit oblong, shallow ribs, yellow-brown, 10cm diam., 25cm long. Bind soft. Cultivated. Seed.
438764. W-C 2221. Collected January 31, 1979. Vicente Guerrero,

438723 TO 438808-continued

- Campeche. Fruit oblong, lightly ribbed, light tan, 10cm wide, 28cm long. Cultivated. Seed.
438765. W-C 2222. Collected January 31, 1979. Vicente Guerrero, Campeche. Fruit club shaped, 13cm diam. at stem end, 20cm diam. at apex, 31cm long, tan with dark green. Cultivated. Seed.
438766. W-C 2224. Collected January 31, 1979. Villa Madero, Campeche. Fruit flattened, deeply lobed, lobes reflexed, brown, mottled dark green, 31cm diam., 9cm long. Cultivated. Seed.
438767. W-C 2252. Mexico. Quintana Roo. Unidad Agricola Alvaro Obregon. Collected February 02, 1979. Fruit bluntly obovate, shallow ribs, deep tan, 15cm long. Cultivated. Seed.
438768. W-C 2254. Mexico. Quintana Roo. Unidad Agricola Alvaro Obregon. Collected February 02, 1979. Fruit long obovate, shallow ribs, light tan and brown, 15cm diam., 43cm long. Cultivated. Seed.
438769. W-C 2255. Mexico. Quintana Roo. Unidad Agricola Alvaro Obregon. Collected February 02, 1979. Fruit top-shaped, ribs reflexed at base, tan and brown, 20cm diam., 15cm long. Cultivated. Seed.
438770. W-C 2256. Mexico. Quintana Roo. Unidad Agricola Alvaro Obregon. Collected February 02, 1979. Fruit short club shaped, ribbed, neck 11.5cm diam., 15cm long, body 23cm diam., 13cm long. Cultivated. Seed.
438771. W-C 2257. Mexico. Quintana Roo. Unidad Agricola Alvaro Obregon. Collected February 02, 1979. Fruit club shaped, tan with dark green spots, 10cm diam., 28cm long. Cultivated. Seed.
438772. W-C 2258. Mexico. Quintana Roo. Unidad Agricola Alvaro Obregon. Collected February 02, 1979. Fruit globose, smooth, striped and reticulated dark green, 20cm long. Cultivated. Seed.
438773. W-C 2259. Mexico. Quintana Roo. Unidad Lazaro Cardenas. Collected February 02, 1979. Fruit flattened globose, deeply ribbed, buff, 20cm diam. Cultivated. Seed.
438774. W-C 2267. Mexico. Quintana Roo. Unidad Agricola Alvaro Obregon. Collected February 02, 1979. Cultivated. Seed.
438775. W-C 2287. Collected February 08, 1979. Yanga, Veracruz. Cultivated. Seed.

438723 TO 438808-continued

438776. W-C 2288a. Collected February 08, 1979. Yanga, Veracruz. Cultivated. Seed.
438777. W-C 2298. Collected February 08, 1979. Colonia de la Laguna, Km 25 between Fortin and Huatusco, Veracruz. Seeds large. Cultivated. Seed.
438778. W-C 2299. Collected February 08, 1979. Colonia de la Laguna, Km 25 between Fortin and Huatusco, Veracruz. Cultivated. Seed.
438779. W-C 2301. Collected February 08, 1979. Colonia de la Laguna, Km 25 between Fortin and Huatusco, Veracruz. Cultivated. Seed.
438780. W-C 2303. Collected February 08, 1979. Km 78, Huatusco-Conejos road, Veracruz. Cultivated. Seed.
438781. W-C 2305. Collected February 08, 1979. Km 55 on Road 190, near Copalillo, Veracruz. Fruit ovoid, ribbed tan with buff mottling, 25cm diam., 20cm long. Cultivated. Seed.
438782. W-C 2306. Collected February 08, 1979. Public market, Cordoba, Veracruz. Fruit flattened globose, slightly ribbed, warty, buff. Cultivated. Seed.
438783. W-C 2307. Collected February 08, 1979. Public market, Cordoba, Veracruz. Fruit with long curved neck, tan with green and orange markings, 15cm diam. at swollen end, 60cm long. Cultivated. Seed.
438784. W-C 2308. Collected February 08, 1979. Avaby, Km 70 on road Huatusco to Conejos. Fruit ovate, slightly ribbed, orange, 30cm diam., 30cm long. Cultivated. Seed.
438785. W-C 2309. Collected February 08, 1979. Avaby, Km 70 on road Huatusco to Conejos. Fruit elliptical, slightly ribbed, orange marked green, 28cm diam., 46cm long. Cultivated. Seed.
438786. W-C 2313. Collected February 09, 1979. Guayabal, Municipio de Ovejas, Veracruz. Fruit depressed globose, ribbed. Rind hard, mottled tan and orange, 36cm wide, 20cm long. Cultivated. Seed.
438787. W-C 2314. Collected February 09, 1979. Guayabal, Municipio de Ovejas, Veracruz. Fruit depressed globose, ribbed. Rind soft, mottled green and tan, 33cm diam., 20cm long. Cultivated. Seed.
438788. W-C 2322. Collected February 10, 1979. Rancho Chocotan,

438723 TO 438808-continued

5km from Alvarado toward San Pedro Tuxtla, Veracruz.
Obtained by Juan Santo. Cultivated. Seed.

438789. W-C 2326. Collected February 10, 1979. San Andres Tuxtla, Veracruz. Cultivated. Seed.
438790. W-C 2327. Collected February 10, 1979. Congregacion Tepankan, San Andres Tuxtla, Veracruz. Obtained from Jose Sinica Fiscal. Cultivated. Seed.
438791. W-C 2328. Collected February 11, 1979. Rancho los Gavilanes, Km 79, between Acayucan and Juchitan, Veracruz. Cultivated. Seed.
438792. W-C 2332. Collected February 11, 1979. Rancho las Pinas, between Acayucan and Juchitan, Veracruz. Cultivated. Seed.
438793. W-C 2333. Collected February 11, 1979. Barrio de la Soledad, Ajal, Oaxaca. Cultivated. Seed.
438794. W-C 2338. Collected February 10, 1979. Santiago Tuxtla, Veracruz. Fruit spindle shaped, light buff, 30cm diam., 64cm long. Cultivated. Seed.
438795. W-C 2339. Collected February 11, 1979. Finca Santa Rita, near Juchitan, Oaxaca. Fruit long elliptic, shallow ribs, light buff, mottled tan and green, 20cm diam., 45cm long. Many seeds germinating. Locally called Tomala. Cultivated. Seed.
438796. W-C 2369. Collected February 13, 1979. Finca El Jardin, Km 44, road 190, Juchitan to Tuxtla Gutierrez, Chiapas. Seeds mixed. Cultivated. Seed.
438797. W-C 2371. Collected February 13, 1979. Finca El Jardin, Km 44, road 190, Juchitan to Tuxtla Gutierrez, Chiapas. Fruit globose, slightly ribbed, white. Rind hard. Cultivated. Seed.
438798. W-C 2374. Collected February 14, 1979. Rancho Panama, Villa Flores, Chiapas. Fruit long necked, 12cm diam. at widest part, 30cm long, orange buff, green on neck. Cultivated. Seed.
438799. W-C 2385. Collected February 14, 1979. Rancho El Prado, Villa Flores, Chiapas. Cultivated. Seed.
438800. W-C 2388. Collected February 15, 1979. Rancho Delicias, Municipio Berriozabal, Chiapas. Cultivated. Seed.
438801. W-C 2392. Collected February 15, 1979. Vicente Guerrero, Chiapas. Vegetable variety. Cultivated. Seed.

438723 TO 438808-continued

438802. W-C 2393. Collected February 15, 1979. Vicente Guerrero, Chiapas. Obtained from Alfonso Lopez. Forage type. Cultivated. Seed.
438803. W-C 2411. Collected February 16, 1979. Public market, San Cristobal de las Casas, Chiapas. Cultivated. Seed.
438804. W-C 2414. Collected February 16, 1979. Colonia America Libre, Chiapas de Corzo, Chiapas. Cultivated. Seed.
438805. W-C 2415. Collected February 16, 1979. Km 5 between Venustiano and Pujiltic, Chiapas. Cultivated. Seed.
438806. W-C 2466. Mexico. Mexico, D.F. INIA. Collected February 05, 1979. Public market, Jalapa, Veracruz. Obtained from F. Cardenas R. Cultivated. Seed.
438807. W-C 2467. Mexico. Mexico, D.F. INIA. Collected February 05, 1979. Public market, Jalapa, Veracruz. Obtained from F. Cardenas R. Cultivated. Seed.
438808. W-C 2468. Mexico. Mexico, D.F. INIA. Collected February 05, 1979. Public Market, Jalapa, Veracruz. Obtained from F. Cardenas R. Cultivated. Seed.

438809 TO 438831. Cucurbita pepo L. (Cucurbitaceae) Fumkin.

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438809. W-C 2054. Collected January 22, 1979. Hacienda Tekat, Mococho, Yucatan. Fruit flattened, deeply 10-lobed, dull yellow-brown, eaten when young. Locally called Xmegen kun Amarilla. Cultivated. Seed.
438810. W-C 2055. Collected January 22, 1979. Hacienda Tekat, Mococho, Yucatan. Fruit flattened, 14 lobed, dull yellow-brown and dark green. Locally called Xmegen kun negra. Cultivated. Seed.
438811. W-C 2060. Collected January 23, 1979. Suma, Yucatan. Fruit flat, many lobes, dull yellow. Locally called Kanasin. Cultivated. Seed.
438812. W-C 2069. Collected January 23, 1979. Unidad Venancio, Dzidzantun, Yucatan. Fruit flattened, many lobes, pale green and dull yellow. Rind soft. Locally called Siskun. Cultivated. Seed.

438809 TO 438831-continued

438813. W-C 2070. Collected January 23, 1979. San Francisco, Dzidzantun, Yucatan. Fruit flattened, many lobes, dull yellow. Rind soft. Locally called Siskun. Cultivated. Seed.
438814. W-C 2071. Collected January 23, 1979. San Eduardo, Dzidzantun, Yucatan. Fruit slightly flattened, ribbed, dull yellow. Locally called Xnun kun. Cultivated. Seed.
438815. W-C 2106. Collected January 25, 1979. Cxkutzcab, Yucatan. Fruit flat, ribbed, dark brown with heavy bloom. Rind soft, thick. Flesh dark orange. Cultivated. Seed.
438816. W-C 2109. Collected January 25, 1979. Dzan (near Ticul), Yucatan. Fruit flat, medium ribs, small, mottled dark green and orange. Rind soft. Flesh thick, orange. Locally called Xmegun kun. Cultivated. Seed.
438817. W-C 2113. Collected January 26, 1979. Yaxcaba, Yucatan. Fruit oblate, ribbed, medium size, pale tan. Rind hard. Locally called Xnun kun. Cultivated. Seed.
438818. W-C 2123. Collected January 26, 1979. Tepich, Yucatan. Fruit small, flat, deeply lobed, orange and dark green. Rind soft. Locally called Xmegun kun. Cultivated. Seed.
438819. W-C 2124. Collected January 26, 1979. Tepich, Yucatan. Fruit flat, slightly ribbed, 10cm diam., orange and dark green. Rind soft. Locally called Xmegun kun. Cultivated. Seed.
438820. W-C 2125. Collected January 26, 1979. Holca, Yucatan. Fruit obovoid, flattened apically, deeply ribbed, brown, mottled. Rind hard. Locally called Toc kun. Cultivated. Seed.
438821. W-C 2141. Collected January 26, 1979. Tahmex, Yucatan. Locally called Xnu kun. Cultivated. Seed.
438822. W-C 2281. Collected February 05, 1979. Public market, Xochimilco, D.F. Locally called Calabasa chica. Cultivated. Seed.
438823. W-C 2282. Collected February 05, 1979. Public Market, Xochimilco, D.F. Locally called Grandota Criolla. Cultivated. Seed.
438824. W-C 2337. Collected February 10, 1979. Santiago Tuxtla, Veracruz. Fruit elongated, necked, curved, buff, 12cm diam., 40cm long. Rind hard. Cultivated. Seed.
438825. W-C 2345. Collected February 12, 1979. Guelatao de

438809 TO 438831-continued

- Juarez, Oaxaca. Fruit globose, lightly ribbed, tan and light green, 15cm diam. Flesh watery. Locally called Tamala. Cultivated. Seed.
438826. W-C 2356. Collected February 12, 1979. Totolapan, Oaxaca. Locally called Tamala. Cultivated. Seed.
438827. W-C 2366. Collected February 13, 1979. Santo Domingo Zanatepec, Oaxaca, between Juchitan and Tuxtla Gutierrez. Cultivated. Seed.
438828. W-C 2367. Collected February 13, 1979. San Pedro Tapanatepec, Oaxaca, between Juchitan and Tuxtla Gutierrez. Fruit depressed globose, ribbed. Rind rough, wrinkled dark buff, 25cm diam., 18 cm long. Cultivated. Seed.
438829. W-C 2391. Collected February 15, 1979. Vicente Guerrero, Municipio Jiquipilas, Chiapas. Fruit ovoid, orange buff, 10cm diam., 15cm long. Favorite for eating. Cultivated. Seed.
438830. W-C 2397. Collected February 15, 1979. Ejido Lindero, Municipio Jiquipilas, Chiapas. Cultivated. Seed.
438831. W-C 2401. Collected February 15, 1979. Fiedra Azul, Santa Lucia, Km 111 on Route 190, Chiapas. Cultivated. Seed.

438832 TO 438836. Cucurbita sp. (Cucurbitaceae).

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438832. W-C 2286. Collected February 08, 1979. Copalillo, Km 55, on Route 150, Veracruz. Fruit elongate globose, hard, dark green with interrupted white stripes, 6cm diam., 8cm long. Flesh white, no cavity. Seeds tan obovate, 0.6cm diam., 0.9-1.0cm long. Locally called Morchete. Cultivated. Seed.
438833. W-C 2304. Collected February 08, 1979. Km 91 on Huatusco-Conejos Road, Veracruz. Fruit oval, hard, 8cm wide, 10cm long, dark green, striped and blotched white. Stem angled, rough, hard, slightly flared. Flesh cream colored, no cavity. Seeds obovate, 0.5-0.7cm wide, 1.0-1.3cm long, dark tan, narrow margin. Cultivated. Seed.
438834. W-C 2311. Collected February 09, 1979. Near Tamarindo, between Tamarindo and Ovejas, Veracruz. Fruit elliptical,

438832 TO 438836-continued

hard, dark green striped and mottled white, 5 to 8cm diam. Seeds obovate 0.5cm wide, 0.8 to 1.0cm long, tan, narrow margin. Cultivated. Seed.

438835. W-C 2363. Collected February 09, 1979. Near river at Km 40, Route 190 between Cazadero and Santo Domingo, Caxaca. Fruit ovoid to obovate, hard shelled, smooth, dark green with white stripes, 8cm diam., 12cm long. Peduncle 5 ribbed, smooth, slightly expanded, 1 cm thick. Flesh yellow. Seeds tan, obovate 0.5cm diam., 1 cm long, narrow margin. Cultivated. Seed.

438836. W-C 2395. Collected February 15, 1979. Suya Tenco, between Vicente Guerrero and Jiquipilas, Chiapas. Fruit globose, hard, green, interrupted white stripes. Flesh and placenta yellow. Seeds obovate, pointed at base, 5cm diam., 1 cm long, tan, narrow marginal ridge. Cultivated. Seed.

438837. *Gossypium hirsutum* L. (Malvaceae) Upland cotton.

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2387. Collected February 14, 1979. Villa Flores, Chiapas. Lint white. Escape from former cultivation. Cultivated. Seed.

438838 TO 438840. *Gossypium* sp. (Malvaceae) Cotton.

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438838. W-C 2063. Collected January 23, 1979. Dzidzantun, Yucatan. Shrub to 2m. Leaves small. Flowers yellow changing to pink. Bolls small, 4 locules. Lint pale brown, linters brown. Cultivated. Seed.

438839. W-C 2164. Collected January 25, 1979. Dzan, Yucatan. Shrub to 3m. Bolls small, 3 locules. Lint dirty white. Linters only at end of seed. Wild. Seed.

438840. W-C 2217. Collected January 31, 1979. Vicente Guerrero, Campeche. Shrub to 3m. Lint white. Cultivated. Seed.

438841. *Guaiacum sanctum* L. (Zygophyllaceae) Holywood lignum-vitae.

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2336. Collected February 11, 1979. Km 226, Juchitan to Oaxaca, Oaxaca. Tree to 4m, flowers indigo. Wild. Seed.

438842. *Hibiscus uncinellus* DC. (Malvaceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2302. Collected February 09, 1979. Near Huatusco, between Huatusco and Fortin, Veracruz. Scrambling shrub to 5m. Stem spiny. Leaf 3-lobed, spiny on veins and petiole. Flowers 5-petaled, dark velvety red, 7cm diam. Wild. Seed.

438843. *Hibiscus* sp. (Malvaceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2074. Collected January 23, 1979. San Francisco, Dzidzantun, Yucatan. Shrub. Leaves lobed, dark green, 5cm long. Flower bracts 10, acicular, 0.5cm long. Calyx tubular below, free lobes acute. Petals clasping the column, bright red, 3cm. Fruit fleshy, red. Wild. Seed.

438844 TO 438846. *Lagenaria siceraria* (Mol.) Standl. (Cucurbitaceae) Bottle gourd.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438844. W-C 2375. Collected February 14, 1979. Rancho Panama, Villa Flores, Chiapas. Fruit obconical, flat on blossom end, 28cm diam., 28cm long. Locally called Pumpa. Cultivated. Seed.

438845. W-C 2376a. Collected February 14, 1979. Rancho Panama, Villa Flores, Chiapas. Fruit obconical, 35cm diam., 30cm

438844 TO 438846-continued

long. Locally called Tol or Jicalpeste. Cultivated. Seed.

438846. W-C 2376t. Collected February 14, 1979. Rancho Panama, Villa Flores, Chiapas. Fruit depressed globose, 35cm diam., 20cm. long. Locally called Tol or Jicalpeste. Cultivated. Seed.

438847 TO 438848. *Lagenaria* sp. (Cucurbitaceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438847. W-C 2134. Collected January 26, 1979. Yaxcaba, Yucatan. Fruit said to be round. Locally called Calabazos. Cultivated. Seed.

438848. W-C 2396. Collected February 15, 1979. Ejido Lindero, Jiquipilas, Chiapas. Fruit elongated obovate, prolonged into neck, 38cm long. Cultivated. Seed.

438849. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2294. Collected February 08, 1979. Public market, Cordoba, Veracruz. Fruit 1.5cm wide, 15cm long, green. Wild. Seed.

438850. *Leucaena pulverulenta* (Schlecht.) Benth. (Fabaceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2293. Collected February 08, 1979. Public market, Cordoba, Veracruz. Fruit 2cm wide, 20cm long, purplish red. Wild. Seed.

438851 TO 438852. *Luffa aegyptiaca* Mill. (Cucurbitaceae) Vegetable sponge.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant

438851 TO 438852-continued

Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

438851. W-C 2290. Collected February 08, 1979. Yanga, Veracruz.
High climbing vine. Fruit 7.5cm diam., 65cm long. Locally
called Estropajo. Cultivated. Seed.

438852. W-C 2317. Collected February 10, 1979. Alvarado,
Veracruz. Locally called Estropajo. Cultivated. Seed.

438853. *Lupinus* sp. (Fabaceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA,
Germplasm Resources Laboratory, and North Central Regional Plant
Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

W-C 2342. Collected February 12, 1979. Colonia de
Cumbre, Km 219 between Oaxaca and Guelatao de Juarez,
Oaxaca. 2550m. Herb to 0.6m. Flowers bluish. Fruit 3-4cm
long. Wild. Seed.

438854 TO 438878. *Lycopersicon esculentum* Mill. (Solanaceae) Tomato.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA,
Germplasm Resources Laboratory, and North Central Regional Plant
Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

438854. W-C 2053. Maciso. Collected January 22, 1979. Hacienda
Tekat, Mococho, Yucatan. Fruit flattened, several
locules, pink. Cultivated. Seed.

438855. W-C 2061. Zocato. Collected January 23, 1979. Suma,
Yucatan. Many partly hollow locules. Fruit pink, 8cm diam.
Cultivated. Seed.

438856. W-C 2062. Maciso. Collected January 23, 1979. Suma,
Yucatan. Fruit flattened, 5-locules, pink, 5-6cm diam.
Cultivated. Seed.

438857. W-C 2064. Zocato. Collected January 23, 1979. Unidad
Venancio, Dzidzantun, Yucatan. Fruit large, puffy, to 9cm
diam., cavity partly empty, pink. Cultivated. Seed.

438858. W-C 2130. Zocato. Collected January 26, 1979. Public
market, Muna, Yucatan. Fruit large, puffy, flattened,
ribbed pink. Cultivated. Seed.

438859. W-C 2131. Tomate bola kanacin. Collected January 26,
1979. Public market, Muna, Yucatan. Fruit oblate, 5cm

438854 TO 438878-continued

- wide, 7cm long, pink. Cultivated. Seed.
438860. W-C 2156. Bola maciso. Collected January 26, 1979. Hacienda Acanque, Yucatan. Fruit sub-globose, to 6cm diam., red. Cultivated. Seed.
438861. W-C 2157. Bola chico. Collected January 26, 1979. Hacienda Acanque, Yucatan. Fruit sub-globose, 5cm diam., red. Cultivated. Seed.
438862. W-C 2158. Bola. Collected January 26, 1979. Tepiche, Yucatan. Fruit sub-globose, to 6cm diam., red. Cultivated. Seed.
438863. W-C 2170. Bola maciso. Collected January 25, 1979. Public market, Oxkutcab, Yucatan. Fruit sub-globose, to 6cm diam., pink. Cultivated. Seed.
438864. W-C 2171. Zocato. Collected January 25, 1979. Public market, Oxkutcab, Yucatan. Fruit inflated, sub-globose to 8cm. Cultivated. Seed.
438865. W-C 2182. Napoli. Collected January 29, 1979. Public market, Merida, Yucatan. Fruit ovate, 4cm wide, 6cm long, red. Cultivated. Seed.
438866. W-C 2184. Maciso. Collected January 29, 1979. Caucel, Yucatan. Fruit sub-globose, to 6cm diam. Cultivated. Seed.
438867. W-C 2260. Mexico. Quintana Roo. Unidad Agricola Alvaro Obregon. Collected February 02, 1979. Fruit round to oblong, 2-3cm diam., red. Cultivated. Seed.
438868. W-C 2262. Tomate rinon. Mexico. Quintana Roo. Unidad Agricola Xul Ha. Collected February 02, 1979. Fruit flattened, many carpels, to 10cm diam. Cultivated. Seed.
438869. W-C 2263. Tomato bofo. Mexico. Quintana Roo. Unidad Agricola Xul Ha. Collected February 02, 1979. Fruit flattened-globose, usually 4 or 5 carpels, inflated, to 9cm diam. Cultivated. Seed.
438870. W-C 2264. Bola maciso. Mexico. Quintana Roo. Unidad Agricola Xul Ha. Collected February 02, 1979. Fruit depressed-globose, firm, 8cm diam., red. Cultivated. Seed.
438871. W-C 2270. Maciso. Collected February 05, 1979. Public market, Xochimilco, D.F. Fruits flattened-globose, 6cm diam., red. Cultivated. Seed.
438872. W-C 2321. Bola. Collected February 10, 1979. Rancho Chocotan, 5km from Alvarado toward San Andres Tuxtla, Veracruz. Fruit depressed-globose, variable 2 to 3

438854 TO 438878-continued

- celled, 2-3cm diam., red. Cultivated. Seed.
438873. W-C 2380. Collected February 17, 1979. Near stream, Villa Flores, Chiapas. Fruit globose, 3cm diam., 3 locules, red. Cultivated. Seed.
438874. W-C 2381. Collected February 14, 1979. Villa Flores, Chiapas. Fruit sub-globose, to 10cm diam., 6cm long. Cultivated. Seed.
438875. W-C 2406. Collected February 16, 1979. Public market, San Cristobal de las Casas, Chiapas. Fruit elliptical, 2.5cm diam., 3cm long, red. Cultivated. Seed.
438876. W-C 2407. Collected February 16, 1979. Public market, San Cristobal de las Casas, Chiapas. Fruits ovoid, often oblique, nipped at blossom end, 4cm diam., 6cm long, red. Cultivated. Seed.
438877. W-C 2408. Tomato guajito. Collected February 16, 1979. Public market, San Cristobal de las Casas, Chiapas. Pear tomato, to 7cm long, sometimes nipped, red, meaty. Cultivated. Seed.
438878. W-C 2474. Socato criollo. Collected November 24, 1979. Santa Ursula, Dzidzantan, Yucatan. Donated by Jaime Pina. Cultivated. Seed.

438879 TO 438896. *Lycopersicon esculentum* var. *cerasiforme* (Dunal) A. Gray (Solanaceae) Cherry tomato.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438879. W-C 2052. Albalpac. Collected January 22, 1979. Hacienda Tekat, Mococho, Yucatan. Fruit globose, 1.5cm diam., red. Wild. Seed.
438880. W-C 2196. Collected January 30, 1979. Unidad Bonfil near Pich, Campeche. Fruit round, 1.5cm diam., light red. Cultivated. Seed.
438881. W-C 2268. Collected February 02, 1979. Farmyard at edge of Vallehermosa, Quintana Roo. Fruit round, plant vigorous, 1.5cm diam., red. Wild. Seed.
438882. W-C 2319. Xitlalillo. Collected February 10, 1979. Rancho Chocotan, 5km from Alvarado toward San Andres Tuxtla, Veracruz. Fruit globose, 1.2cm diam., red. Cultivated. Seed.

438879 TO 438896-continued

438883. W-C 2320. Xitlalillo. Collected February 10, 1979. Rancho Chocotan, 5km from Alvarado toward San Andres Tuxtla, Vera Cruz. Fruit globose, 1 to 1.5cm diam., red. Cultivated. Seed.
438884. W-C 2323. Collected February 10, 1979. Santiago Tuxtla, Veracruz. Fruit globose, 1-2cm diam., red. Wild. Seed.
438885. W-C 2325. Collected February 10, 1979. Public market San Andres Tuxtla, Veracruz. Fruit uniformly 1.5cm diam., red. Wild. Seed.
438886. W-C 2330. Collected February 11, 1979. Grounds of Vivero Fruticola y Forestal, El Refugio, Km 102, Rt.185, Veracruz. Fruit globose, 1 cm diam. Wild. Seed.
438887. W-C 2341. Collected February 11, 1979. Zapoapan de Cabana, Municipio Catemaco, Veracruz. Fruit round, 1.2cm diam., red. Seed.
438888. W-C 2365. Collected February 13, 1979. Beside house at Km 57, Road 190 (near Los Reynas Restaurante). Foliage vigorous clean. Fruit, globose, 1 cm diam., red. Wild. Seed.
438889. W-C 2370. Collected February 31, 1979. INIA Station at Ocozocoautla, Chiapas (Pasture Research). Plants vigorous. Fruit round, 1 cm diam. Wild. Seed.
438890. W-C 2373. Collected February 14, 1979. South of School, Villa Flores, Chiapas. Fruit globose, 1 to 1.2cm diam., red. Wild. Seed.
438891. W-C 2379. Collected February 14, 1979. Villa Flores, near stream, Chiapas. Fruit globose, 1 cm diam., red. Wild. Seed.
438892. W-C 2390. Tomalillo. Collected February 15, 1979. San Ricardo, near Vicente Guerrero, Municipio Jiquipilas, Chiapas. Fruit globose, 1 cm diam., yellow. Cultivated. Seed.
438893. W-C 2394. Tomalillo. Collected February 15, 1979. Suya Tenco, between Vicente Guerrero and Jiquipilas, Chiapas. Fruit globose, 1 cm diam. Wild. Seed.
438894. W-C 2399. Tomalillo. Collected February 15, 1979. Between Sinaloa and Col. Hidalgos, Municipio de Jiquipilas, Chiapas. Fruit globose, 0.6cm diam. Wild. Seed.
438895. W-C 2404. Collected February 16, 1979. Market, San

438879 TO 438896--continued

Cristobal de las Casas, Chiapas. Fruit globose, 1cm diam., red. Wild. Seed.

438896. W-C 2405. Collected February 16, 1979. Public market, San Cristobal de las Casas, Chiapas. Fruit globose, to 1.5cm diam. Cultivated. Seed.

438897 TO 438898. *Lycopersicon pimpinellifolium* (L.) Mill.
(Solanaceae) Currant tomato.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

438897. W-C 2359. Collected February 12, 1979. Km 142, above Manguita, road Totolapan to Tehuantepec, Oaxaca. Foliage fine. Fruit globose, 6-7 per raceme, 0.7cm diam. Wild. Seed.

438898. W-C 2378. Collected February 14, 1979. Rancho Panama, Villa Flores, Chiapas. Fruit globose, 0.7cm diam., red. Wild. Seed.

438899 TO 438900. *Malpighia* sp. (Malpighiaceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

438899. W-C 2076. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Bush with weeping branches, 1 m tall. Fruit 3-lobed, 2.5cm diam., slightly tart, flesh dry. Locally called "Uxte". Cultivated. Seed.

438900. W-C 2148. Collected January 26, 1979. Near Yaxcaba, Yucatan. Bush with weeping branches, 0.5m tall. Fruit globose, 1.5cm diam., sweet, bright red. Wild. Seed.

438901. *Manilkara zapota* (L.) Van Royen (Sapotaceae) Sapodilla.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

W-C 2172. Collected January 25, 1979. Public market, Oxkutzcab, Yucatan. Fruit well flavored, sweet, few

438901-continued

seeds, 10cm diam., 13cm long. Cultivated. Seed.

438902 TO 438904. *Pachyrhizus erosus* (L.) Urb. (Fabaceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438902. W-C 2165. Collected January 25, 1979. Dzan, Yucatan. Vine, edible tuberous roots. Large rooted type. Locally called Jicama grande. Cultivated. Seed.

438903. W-C 2166. Collected January 25, 1979. Dzan, Yucatan. Vine, edible tuberous roots. Small rooted type. Locally called Jicama. Cultivated. Seed.

438904. W-C 2176. Collected January 25, 1979. Pustunich, Yucatan. Vine, edible tuberous roots. Locally called Jicama chica. Cultivated. Seed.

438905 TO 438907. *Parmentiera aculeata* (H.B.K.) L. Wms. (Bignoniaceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438905. W-C 2093. Collected January 24, 1979. Private home. Merida, Yucatan. Plant to 10m. Branches spiny. Flowers tubular, green. Fruit oblong, pointed, curved, 5cm diam., 15cm long. Locally called Kat or Pepino de Arbol. Fruit taken for kidney ailments. Tree. Cultivated. Seed.

438906. W-C 2178. Collected January 25, 1979. Pustunich, Yucatan. Plant to 5m. Fruit oblong, pointed, 5cm diam., 20cm long. Tree. Cultivated. Seed.

438907. W-C 2284. Collected January 25, 1979. Muna, Yucatan. Obtained from Moises Gomez. Plant to 4m. Fruit oblong, pointed, curved, green-yellow, 5cm diam., 12cm long. Locally called Kat or Pepino de arbol. Fruit taken for kidney ailments. Tree. Cultivated. Plants.

438908. *Passiflora edulis* Sims (Passifloraceae) Purple granadilla.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438908-continued

W-C 2077. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Fruit to 8cm diam., yellow, heavily blotched purple. Prolific. Cultivated. Seed.

438909. *Passiflora* sp. (Passifloraceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438909. W-C 2096. Collected January 25, 1979. Corn field, 1 km, south of Muna, Yucatan. Slender vine. Leaves 3-lobed, dark glossy green. Fruit cordate, bright glossy red, 2cm diam. Locally called Tomate cascara frisales. Wild. Seed.

438910. *Phaseolus coccineus* L. (Fabaceae) Scarlet runner bean.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2413. Collected February 16, 1979. Public market, San Cristobal de las Casas, Chiapas. Locally called Frijol hotel. Cultivated. Seed.

438911 TO 438916. *Phaseolus lunatus* L. (Fabaceae) Lima bean.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438911. W-C 2082. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Locally called Bacalar claro. Cultivated. Seed.

438912. W-C 2083. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Locally called Blanco plano. Cultivated. Seed.

438913. W-C 2084. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Locally called Blanco seleccion Yucatan 2. Cultivated. Seed.

438914. W-C 2085. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Locally called

438911 TO 438916-continued

Rojo No. 1. Cultivated. Seed.

438915. W-C 2086. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Locally called Rojo No. 2. Cultivated. Seed.

438916. W-C 2386. Collected February 14, 1979. Villa Flores, Chiapas. Pods 6cm long, 2 or 3 seeded. Seeds glossy black, medium size, flat. Locally called Frijol Tapachete. Cultivated. Seed.

438917 TO 438920. Phaseolus vulgaris L. (Fabaceae) Garden bean.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438917. W-C 2079. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Seeds oval, glossy black. Locally called Negro ovalado. Cultivated. Seed.

438918. W-C 2080. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Locally called Jaspeado claro. Cultivated. Seed.

438919. W-C 2081. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Seeds tan and brown mottled. Locally called Rojo jaspeado. Cultivated. Seed.

438920. W-C 2384. Collected February 14, 1979. Villa Flores, Chiapas. Seeds small, red. Locally called Fie de paloma. Cultivated. Seed.

438921 TO 438924. Polyclathra cucumerina Bertol. (Cucurbitaceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438921. W-C 2334. Collected February 11, 1979. Along road Acayucan-Juchitan, Oaxaca. Slender climbing vine. Fruit oblong, 4.5cm diam., 6cm long, smooth, base dark green with white stripes, apex white, partially dehiscent at apex along 3 sutures. Seeds embedded in chambered papery placental tissue, flat, dark brown, 0.9cm long. Locally called Calabazade raton. Wild. Seed.

438921 TO 438924-continued

438922. W-C 2358. Collected February 12, 1979. Km 142, above Manguita, between Totolapan and Tehuantepec, Oaxaca. For description see PI 438921. Wild. Seed.

438923. W-C 2364. Collected February 13, 1979. Km 20 on Mexico 190, between Tehuantepec and Tuxtla Gutierrez, Chiapas. For description see PI 438921. Wild. Seed.

438924. W-C 2402. Collected February 15, 1979. Between Sinaloa and Col. Hidalgo in fence row, Jiquipilas, Chiapas. For description see PI 438921. Wild. Seed.

438925. *Psophocarpus tetragonolobus* (L.) DC. (Fabaceae) Winged bean.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2185. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 30, 1979. Cultivated. Seed.

438926. *Randia* sp. (Rubiaceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2400. Collected February 15, 1979. Between Sinaloa and Col. Hidalgo in fence row, Jiquipilas, Chiapas. Shrub to 3m, spine at each node. Leaves whorled, obovate, 5cm long. Fruit elliptical, ribbed, 8cm long, dull orange. Fleshy mesocarp 1 cm thick. Many seeds embedded in black pulp. Wild. Seed.

438927. *Sanvitalia procumbens* Lam. (Asteraceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2075. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Trailing herb. Flowers with single row of ray petals, orange with brownish disc, 2cm diam. Wild. Seed.

438928 TO 438930. *Tagetes* sp. (Asteraceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438928. W-C 2177. Collected January 25, 1979. Pustunich, Yucatan. Herb to 1 m. Flowers 2cm diam., 1 row of ray petals, yellow. Locally called Flor de muerto. Wild. Seed.

438929. W-C 2335. Collected January 11, 1979. Along road Acayucan to Juchitan, Oaxaca. 1000m. Slender herb. Bright orange flower, 3cm diam., 1 row ray petals. Wild. Seed.

438930. W-C 2368. Collected February 13, 1979. Km 20, Road 190, between Juchitan and Tuxtla Gutierrez, Chiapas. 1000m. Herb to 0.6m. Foliage aromatic. Flowers bright orange, 4cm diam. Locally called Musa. Wild. Seed.

438931. *Thevetia* sp. (Apocynaceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2403. Collected February 16, 1979. Garden 2 blocks toward center of city from Bonampak Hotel, Tuxtla Gutierrez. Evergreen shrub to 2m. Leaves obovate glossy green, 4cm across, 7cm long. Flowers tubular, 3cm long, 5-petaled. Petals 1.5cm long, twisted, yellowish-green. Fruit 2-lobed, 3cm wide, 5cm long, bright glossy red, pulp thick. Seeds ovate, concave, 1.5cm wide, 2.3cm long. Cultivated. Seed.

438932. *Tithonia diversifolia* (Hensl.) A. Gray (Asteraceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2269. Collected February 01, 1979. Villa Madero, Campeche. Perennial sub-shrub to 3m. Sunflower-like foliage and flowers to 20cm diam., orange yellow. Cultivated. Cuttings.

438933. *Tithonia* sp. (Asteraceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA,

438933-continued

Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

W-C 2312. Collected February 09, 1979. Near Guayabal, Municipio Paso de Ovejas, Veracruz. Branched herb to 3m tall. Flowers with single row ray petals, yellow. Weed in cornfields. Wild. Seed.

438934. *Vigna unguiculata* subsp. *sesquipedalis* (L.) Verdc. (Fabaceae)
Yard-long bean.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

W-C 2383. Collected February 14, 1979. South of Villa Flores, Chiapas. Pods slender, 19cm long. Seeds brown. Cultivated. Seed.

438935 TO 438940. *Vigna unguiculata* (L.) Walp. subsp. *unguiculata*
(Fabaceae) Southern pea.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa.
Received December 1979.

438935. W-C 2087. Blanco 70. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Cultivated. Seed.

438936. W-C 2088. Crema (H.N.). Mexico. Uxmal Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Cultivated. Seed.

438937. W-C 2089. Producer. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Cultivated. Seed.

438938. W-C 2090. Rojo 71. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Cultivated. Seed.

438939. W-C 2091. Trucipelon. Mexico. Uxmal, Yucatan. Campo Agricola Experimental. Collected January 24, 1979. Cultivated. Seed.

438940. W-C 2398. Collected February 15, 1979. Ejido Lindero, Chiapas. Locally called Frijol Andaloncito. Cultivated.

438935 TO 438940-continued
Seed.

438941 TO 438943. *Zea mays* L. (Poaceae) Field corn.

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438941. W-C 2094. Collected January 25, 1979. 1 km south of Muna, Yucatan. Ears short. Kernels translucent, white or yellowish. Locally called Maiz amarillo. Cultivated. Seed.

438942. W-C 2095. Collected January 25, 1979. 1 km south of Muna, Yucatan. Ears short. Kernels yellowish red. Flint type. Locally called Maiz kan choo. Cultivated. Seed.

438943. W-C 2372. Collected February 14, 1979. Km 114, Mexico 190, El Gavilan, Municipio de Ocozacoautla, Chiapas. Ears large, well filled. Kernels large, white. Cob red. Locally called Olotillo blanco. Matures rapidly after rainfall stops. Cultivated. Seed.

438944. *Zebrina* sp. (Commelinaceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2150. Upper rim of cenote at Yaxcaba, Yucatan. Trailing herb, rooting at nodes. Leaves ovate, 2cm wide, 3cm long, marked on upper surface with purple. Wild. Cuttings.

438945. Undetermined (Fabaceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

W-C 2361. Collected February 13, 1979. Km 40, Route 190, between Cazadero and Santo Domingo, Caxaca. Sparcely branched shrub to 3m. Leaf decompound. Flowers in terminal racemes, not expanding widely, 3cm long, yellow with orange tip. Pods 6cm long. Wild. Seed.

438946 TO 438947. Undetermined (Rubiaceae).

From Mexico. Collected by H. F. Winters and R. L. Clark, USDA, Germplasm Resources Laboratory, and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received December 1979.

438946. W-C 2159. Collected January 25, 1979. Ticul, Yucatan. Woody shrub to 3m. Leaves simple, opposite, undersurface white. Flowers cymose, long tubular, 4 petals, 0.5cm diam., pink. Locally called Mimosa. Cultivated. Seed.

438947. W-C 2200. Collected January 31, 1979. Tenabo, Campeche. Bush to 3m. Leaves long lanceolate, opposite. Flowers pink in terminal cymes. Cultivated. Seed.

438948 TO 438950. Zea mays L. (Poaceae) Field corn.

From China, Peoples Repub of. Donated by Wan-chen Cheng, Institute of Genetics, Academia Sinica, Beijing. Received January 1980.

438948. Da-bai-tou-shuang. Inbred. Female parent of hybrid Ching Huang 13, useful for induction of pollen callus. Cultivated. Breeding material. Seed.

438949. Peking Eight-Row-White. Local open-pollinated population. Seeds white. Low frequency induction of pollen callus. Cultivated. Breeding material. Seed.

438950. Yellow 204. Inbred. Male parent of hybrid Ching Huang 13, useful for induction of pollen callus. Cultivated. Breeding material. Seed.

438951 TO 438952. Setaria italica (L.) Beauv. (Poaceae) Foxtail millet.

From China, Peoples Repub of. Donated by R. K. March, Berkeley, California. Received January 1980.

438951. RM-1. Purchased March 20, 1979, from store in Beijing. Seeds light brown. Used for food. Local name Xiao-mi. Cultivated. Seed.

438952. RM-2. Purchased March 20, 1979, from store in Beijing. Seeds bright yellow. Used for food. Non glutinous. Local name Huang-mi. Cultivated. Seed.

438953. Microcitrus sp. (Rutaceae).

From Australia. Collected by A. W. Carle, Gordonville, Queensland

438953-continued

4865.

Received February 1980.

Collected January 19, 1980. From trees at base of Bellenden Ker Mountain in northern Queensland. Possibly *M. inodora*. Tree. Seed.

438954. *Gossypium arboreum* L. (Malvaceae) Ceylon cotton.

From China, Peoples Repub of. Donated by China National Seed Corporation, Beijing.

Received January 1980.

Line 1. From Shih by pedigree selection. Plant form tower-like. Leaves large. Flowers small, white with purple-red petal spot at bottom of corolla, yellow anthers. Lint percentage 39. Highly resistant to fusarium wilt. Cultivar. Seed.

438955 TO 438958. *Gossypium hirsutum* L. (Malvaceae) Upland cotton.

From China, Peoples Repub of. Donated by China National Seed Corporation, Beijing.

Received January 1980.

438955. Huei-san 1. From Chin 1 by pedigree selection in 1974. Maturity 147-157 days. Plants to 40cm tall. Stems green and purple-red checkered, covered with short, dense hairs. Leaves moderate size, dark green. Seeds large, thick seed coat, absorbs water slowly. Lint percentage 37-39. Cultivar. Seed.

438956. Lu 1. C1C 2 x 1195; F9 seeds treated with radiation. Maturity about 125 days. Plants uniform. Leaves moderate size, dark green. Aphid resistant. Bolls ovate, beaked, open well. Lint percentage 35.5. Root system surface-distributed, requiring frequent watering and fertilizing during peak boll set to prevent early senescence of over-bolls. Cultivar. Seed.

438957. Shan 3850. From Shan 401 by pedigree selection. Maturity 148-156 days. Plants tall, covered with long, dense hairs. Lint percentage 38.7. Fusarium wilt resistant, verticillium wilt tolerant. Cultivar. Seed.

438958. Small leaf. Derived from hybrid from Nanning 24 x LFL 14. Maturity 125-130 days. Plant form compact. Stems scft, with dense hairs. Leaves small with deep gap, dark green. Bolls ovate. Lint percentage 42 to 44. Root system surfacely distributed. Cultivar. Seed.

438959. *Hordeum vulgare* L. (Poaceae) Barley.

From Canada. Donated by E. Reinbergs, Crop Science, University of Guelph, Guelph, Ontario.
Received January 1980.

WB 115-5. Ohio B-67-17 x Laneland. Six-row type. Winter annual. Cultivated. Breeding material. Seed.

438960 TO 438969. *Triticum aestivum* L. (Poaceae) Common wheat.

From Soviet Union. Donated by N.I. Vavilov Institute of Plant Industry, Leningrad.
Received January 1980.

438960. VIR 35345. Ak-Bidaj. Kazakh SSR. Received as var. *graecum*. Annual. Cultivated. Seed.

438961. VIR 48979. Albarubrum 50. Kazakh SSR. Received as var. *alborubrum*. Annual. Cultivated. Seed.

438962. VIR 48981. Grekum 105. Kazakh SSR. Received as variety *graecum*. Annual. Cultivated. Seed.

438963. VIR 49287. Ishumskaja 100. Kazakh SSR. Received as var. *cutescens*. Annual. Cultivated. Seed.

438964. VIR 49297. Kazagandinskaja. Received as var. *pyrothrix*. Annual. Cultivated. Seed.

438965. VIR 48977. Liutescens 33. Kazakh SSR. Received as var. *cutescens*. Annual. Cultivated. Seed.

438966. VIR 48744. Pavlodazskaja 1. Kazakh SSR. Received as variety *graecum*. Annual. Cultivated. Seed.

438967. VIR 47887. Pirotrijs 28. Kazakh SSR. Received as var. *pyrothrix*. Annual. Cultivated. Seed.

438968. VIR 39352. Snegurka. Kazakh SSR. Received as var. *cutescens*. Annual. Cultivated. Seed.

438969. VIR 48108. Sortandinskaja 25. Kazakh SSR. Received as var. *cutescens*. Annual. Cultivated. Seed.

438970. *Triticum durum* Desf. (Poaceae) Durum wheat.

From Soviet Union. Donated by N.I. Vavilov Institute of Plant Industry, Leningrad.
Received January 1980.

VIR 52376. Celinogradskaja 75. Kazakh SSR. Annual.

438970-continued

Cultivated. Seed.

438971. *Triticum durum* Desf. (Poaceae) Durum wheat.

From Soviet Union. Donated by N.I. Vavilov Institute of Plant Industry, Leningrad.
Received January 1980.

VIR 39351. Akmolinka 2. Kazakh SSR. Annual. Cultivated. Seed.

438972 TO 438975. *Triticum durum* Desf. (Poaceae) Durum wheat.

From Soviet Union. Donated by N.I. Vavilov Institute of Plant Industry, Leningrad.
Received January 1980.

438972. VIR 40127. Amber 3. Canada. Annual. Cultivated. Seed.

438973. VIR 45351. Har 'kovskaja 51. Ukrainian SSR. Annual. Cultivated. Seed.

438974. VIR 46983. Hercules. Canada. Annual. Cultivated. Seed.

438975. VIR 48771. Sortandinskaja 71. Kazakh SSR. Annual. Cultivated. Seed.

438976. *Triticum durum* Desf. (Poaceae) Durum wheat.

From Soviet Union. Donated by N.I. Vavilov Institute of Plant Industry, Leningrad.
Received January 1980.

VIR 45951. Oviachic 65. Mexico. Annual. Cultivated. Seed.

438977. *Asparagus officinalis* L. (Liliaceae) Garden asparagus.

From France. Donated by Service des Plantations de la Ville de Nantes Jardin Botanique, 44000 Nantes. Code numbers refer to 1978 seed list.
Received December 1979.

168. Received as *Asparagus prostratus* Dum. Wild. Seed.

438978. *Nicotiana tabacum* L. (Solanaceae) Tobacco.

From United States. Donated by Tobacco Laboratory, USDA Agricultural Research Center, Beltsville, Maryland.

438978-continued

Received through D. Hoffman, Div. of Envir.
Carcinogenesis, Naylor Dana Inst.,
Valhalla, NY.
Received December 1979.

1629. *Lysistrata*. Austria. Austria Tobacco Co. High in
anatabine. Seed.

438979. *Asparagus officinalis* var. *prostratus* (Dum.) Baker (Liliaceae).

From France. Donated by Station Nationale d'Essais de Semences,
Service Botanique, Versailles.
Received December 1979.

Collected August 11, 1975. Maritime sands, Plovan,
Finistere Dept. Wild. Seed.

438980 TO 438981. *Gossypium hirsutum* L. (Malvaceae) Upland cotton.

From Brazil. Donated by Instituto Agronomico de Campinas, Sao
Paulo.
Received December 1979.

438980. IAC 17. Cultivated. Seed.

438981. IAC 18. Cultivated. Seed.

438982. *Sisyrinchium bermudiana* L. (Iridaceae).

From Bermuda. Donated by H. F. Winters, USDA, Germplasm Resources
Laboratory, Beltsville, Maryland. Received through Charles Gastrock,
Warrick, Bermuda.
Received January 1980.

W 2475. Collected April 1977. Warrick. Herb, low-growing.
Flowers purple, yellow-eyed, borne on spikes. Local name
Bermudiana. Wild. Seed.

438983 TO 439003. *Zoysia japonica* Steud. (Poaceae) Zoysia.

From Korea, Republic of. Collected by Do Yi Yeom, Department of
Horticultural Science, College of Agriculture, Seoul National
University, Suwon.
Received December 1979.

438983. KLS1. Collected July 1979. South edge of mountains,
north of Jin ju, Kyong Sang Nam Do. 50-80m. Leaf 0.03cm
wide. Blade 4.5cm long. Sheath 3.7cm long. Flowering culm
7.3cm long. Local name Jin ju cham Jan di. Wild. Rhizomes.

438983 TO 439003-continued

438984. KLS2. Collected July 1979. Edge of mountains, west of Jin ju, Kyong Sang Nam Do. 10-20m. Leaf 0.037cm wide. Blade 3.9cm long. Local name Jin ju Kum Jan di. Wild. Rhizomes.
438985. KLS3. Collected July 1979. Iri, Jeon La Buk Do. 50m. Widely established in collection area. Leaf 0.023cm wide. Blade 4.9cm long. Sheath 2.6cm long. Flowering culm 8.0cm long. Local name Kum Jan di. Wild. Rhizomes.
438986. KLS4. Collected July 1979. Tuseong, Chung chong Nam Do. 50-70m. Uniform population. Leaf 0.016cm wide. Blade 2.8cm long. Sheath 2.7cm long. Flowering culm 7.1cm long. Local name Tuseong Kum Jan di. Wild. Rhizomes.
438987. KLS5. Collected July 1979. South coastline of Jin ju, Kyong Sang Nam Do. 2-10m. Leaf 0.02cm wide. Blade 5.6cm long. Local name Jin ju Gaet Jan di. Wild. Rhizomes.
438988. KLS6. Collected July 1979. East coastline of Jin ju, Kyong Sang Nam Do. 2-10m. Leaf 0.022cm wide. Blade 5.7cm long. Local name Jin ju Gaet Jan di. Wild. Rhizomes.
438989. KLS7. Collected July 1979. East coastline of Jin ju, Kyong Sang Nam Do. 2-10m. Leaf 0.025cm wide. Blade 6.5cm long. Local name Jin ju Gaet Jan di. Wild. Rhizomes.
438990. KLS8. Collected July 1979. Southern slopes of mountains, Osan, Kyonggi Do. 30-50m. Leaf 0.022cm wide. Blade 5.7cm long. Local name Kum Jan di. Wild. Rhizomes.
438991. KLS9. Collected July 1979. Southern slopes of mountains, south of Suweon, Kyonggi Do. 30-50m. Leaf 0.036cm wide. Blade 5.0cm long. Local name Kum Jan di. Wild. Rhizomes.
438992. KLS10. Collected July 1979. North of Jeon Ju, Jeon La Buk Do. 50-80m. Primary turf in collection area. Leaf 0.045cm wide. Blade 6.2cm long. Local name Deul Jan di. Wild. Rhizomes.
438993. KLS11. Collected July 1979. Southern edge of mountains, east of Jeon Ju, Jeon La Buk Do. 30-60m. Leaf 0.024cm wide. Blade 4.7cm long. Local name Kum Jan di. Wild. Rhizomes.
438994. KLS12. Collected July 1979. West of Jeon Ju, Jeon La Buk Do. 30-60m. Primary turf in collection area. Leaf 0.03cm wide. Blade 7.5cm long. Local name Jan di. Wild. Rhizomes.
438995. KLS13. Collected July 1979. South of Jeon Ju, Jeon La Buk Do. 20-50m. Primary turf in collection area. Leaf 0.024cm wide. Blade 4.7cm long. Local name Jeon Buk Kum

438983 TO 439003-continued

Jan di. Wild. Rhizomes.

438996. KLS14. Collected July 1979. Oen kwang, Jeon La Buk Do. 20-50m. Leaf 0.026cm wide. Blade 5.3cm long. Local name Kum Jan di. Wild. Rhizomes.
438997. KLS15. Collected July 1979. Suweon, Kyonggi Do. 20-50m. Leaf 0.045cm wide. Blade 8.3cm long. Local name Dul Jan di. Wild. Rhizomes.
438998. KLS16. Collected July 1979. Mountains north of Jeon Ju, Jeon La Buk Do. 100-300m. Primary turf in collection area. Leaf 0.037cm wide. Blade 5.4cm long. Local name Dul Jan di. Wild. Rhizomes.
438999. KLS17. Collected July 1979. Mountains south of Jeon Ju, Jeon La Buk Do. 100-300m. Primary turf in collection area. Leaf 0.028cm wide. Blade 6.8cm long. Local name Kum Jan di. Wild. Rhizomes.
439000. KLS18. Collected July 1979. Northern area of Je ju island, Jeju Do. 10-50m. Leaf 0.034cm wide. Blade 7.4cm long. Local name Jan di. Wild. Rhizomes.
439001. KLS19. Collected July 1979. Southern area of Jeju island, Seuguipo, Jeju Do. 10-60m. Leaf 0.044cm wide. Blade 6.8cm long. Local name Jan di. Wild. Rhizomes.
439002. KLS20. Collected July 1979. Coastline of Seuguipo area, Jeju Do. 5-10m. Leaf 0.03cm wide. Blade 1.2cm long. Local name Kum Jan di. Wild. Rhizomes.
439003. KLS21. Collected July 1979. Southern slopes of mountains, Kwang Ju, Kyonggi Do. 20-100m. Leaf 0.031cm wide. Blade 8.0cm long. Local name Kum Jan di. Wild. Rhizomes.

439004. *Zoysia tenuifolia* Willd. ex Thiele (Poaceae).

From Korea, Republic of. Collected by Do Yi Yeom, Department of Horticultural Science, College of Agriculture, Seoul National University, Suweon.
Received December 1979.

TLS. China, Republic of. Collected October 1978.
Southern islands of Taiwan. Primary turf in collection area. Leaf 0.003cm wide. Blade 1.2cm long. Wild. Rhizomes.

439005 TO 439012. *Medicago sativa* L. (Fabaceae) Alfalfa.

From Egypt. Donated by A. Rammah, Field Crops Research Institute,

439005 TO 439012--continued

Agriculture Research Center, Giza. Received through Public Law 480
Project FG-EG-183.

Received January 1980.

- 439005. Bany. Syria. Aleppo. ICARDA. Asia Minor. Cultivated.
Seed.
- 439006. Hamadany. Syria. Aleppo. ICARDA. Asia Minor. Cultivated.
Seed.
- 439007. Yazdy. Syria. Aleppo. ICARDA. Asia Minor. Cultivated.
Seed.
- 439008. Iraq. Local variety. Received from ICARDA, Aleppo, Syria.
Cultivated. Seed.
- 439009. Syria. Aleppo. ICARDA. Local variety. Cultivated. Seed.
- 439010. Syria. Aleppo. ICARDA. Local variety. Cultivated. Seed.
- 439011. Egypt. Sewa Oasis. Open-pollinated seeds from single
plant. Vigorous root system. Cultivated. Seed.
- 439012. Egypt. Sewa Oasis. Self-pollinated seeds from a single
plant. Vigorous root system. Cultivated. Seed.

439013 TO 439014. *Vitis* hybrid (Vitaceae).

From Canada. Donated by C. Pollard, Post-entry Quarantine
Station, Sidney, British Columbia.

Received December 1978.

- 439013. 'Oppenheim 4'. From *V. riparia* x *V. berlandieri*.
Cultivar. Cuttings.
- 439014. 'Teleki 5C'. From *V. riparia* x *V. berlandieri*. Cultivar.
Cuttings.

439015. *Vitis vinifera* L. (Vitaceae) European grape.

From Canada. Donated by C. Pollard, Post-entry Quarantine
Station, Sidney, British Columbia.

Received December 1978.

'Madeleine Angervine'. Cultivar. Cuttings.

439016. *Vitis* sp. (Vitaceae).

From Japan. Donated by R. Yano, Fruit Tree Experiment Station,
Yamanashi, Yamanashi-Pref.

439016-continued

Received December 1978.

'Pione'.

439017 TO 439019. *Oryza sativa* L. (Poaceae) Rice.

From Philippines. Donated by International Rice Research Institute, Manila.

Received January 1980.

439017. IRRI 328. Azucena. Cultivated. Seed.

439018. IRRI 3750. 370 Basmati. Cultivated. Seed.

439019. IR 841-85-1-1-2 sel. Cultivated. Seed.

439020 TO 439024. *Oryza sativa* L. (Poaceae) Rice.

From Philippines. Donated by International Rice Research Institute, Manila.

Received January 1980.

439020. IRRI 39174. BKN 6986-147-2. IR 262/Pin Gaew 56. Cultivated. Seed.

439021. IRRI 8887. FR 13A. Cultivated. Seed.

439022. IRRI 25718. Silewah. Cultivated. Seed.

439023. IRRI 47743. Tainung 67. Cultivated. Seed.

439024. IRRI 15325. Thavalu. Cultivated. Seed.

439025. *Cajanus cajan* (L.) Huth (Fabaceae) Pigeon pea.

From Belize. Donated by Ministry of Agriculture and Lands, Central Farm, Cayo District.

Received January 1980.

Kaki. Cultivated. Seed.

439026. *Oryza sativa* L. (Poaceae) Rice.

From Rhodesia. Donated by Chiredzi Research Station, Chiredzi, Zimbabwe.

Received October 1979.

IR 400. Cultivated. Seed.

439027. *Agrostis stolonifera* L. (Poaceae) Creeping bentgrass.

From Soviet Union. Donated by Hortus Botanicus Academie Scientiarum URSS, Taschkent. Code numbers refer to 1977 Seed List.

Received February 1978.

12. Seed.

439028. *Allium schubertii* Zucc. (Amaryllidaceae).

From Soviet Union. Donated by Hortus Botanicus Academie Scientiarum URSS, Taschkent. Code numbers refer to 1977 Seed List.

Received February 1978.

75. Seed.

439029. *Bothriochloa ischaemum* (L.) Keng (Poaceae) Yellow bluestem.

From Soviet Union. Donated by Hortus Botanicus Academie Scientiarum URSS, Taschkent. Code numbers refer to 1977 Seed List.

Received February 1978.

17. Seed.

439030. *Brassica elongata* Ehrh. (Brassicaceae).

From Soviet Union. Donated by Hortus Botanicus Academie Scientiarum URSS, Taschkent. Code numbers refer to 1977 Seed List.

Received February 1978.

186. Seed.

439031. *Bromus scoparius* L. (Poaceae).

From Soviet Union. Donated by Hortus Botanicus Academie Scientiarum URSS, Taschkent. Code numbers refer to 1977 Seed List.

Received February 1978.

23. Seed.

439032. *Camelina microcarpa* Andrz. ex DC. (Brassicaceae).

From Soviet Union. Donated by Hortus Botanicus Academie Scientiarum URSS, Taschkent. Code numbers refer to 1977

439032-continued

Seed List.

Received February 1978.

188. Seed.

439033. Erianthus ravennae (L.) Beauv. (Poaceae) Ravenna grass.

From Soviet Union. Donated by Hortus Botanicus Academie Scientiarum URSS, Taschkent. Code numbers refer to 1977 Seed List.

Received February 1978.

30. Seed.

439034. Koeleria gracilis Pers. (Poaceae).

From Soviet Union. Donated by Hortus Botanicus Academie Scientiarum URSS, Taschkent. Code numbers refer to 1977 Seed List.

Received February 1978.

39. Seed.

439035. Stipa capillata L. (Poaceae).

From Soviet Union. Donated by Hortus Botanicus Academie Scientiarum URSS, Taschkent. Code numbers refer to 1977 Seed List.

Received February 1978.

48. Seed.

439036. Stipa kirghisorum P. Smirn. (Poaceae) Needle grass.

From Soviet Union. Donated by Hortus Botanicus Academie Scientiarum URSS, Taschkent. Code numbers refer to 1977 Seed List.

Received February 1978.

49. Seed.

439037. Stipa pennata var. lessingiana (Trin. & Rupr.) Richter (Poaceae).

From Soviet Union. Donated by Hortus Botanicus Academie Scientiarum URSS, Taschkent. Code numbers refer to 1977 Seed List.

Received February 1978.

439037-continued

50. Seed.

439038. *Stipa szovitziana* Trin. & Rupr. (Poaceae).

From Soviet Union. Donated by Hortus Botanicus Academie Scientiarum URSS, Taschkent. Code numbers refer to 1977 Seed List.
Received February 1978.

53. Seed.

439039 TO 439105. *Oryza sativa* L. (Poaceae) Rice.

From India. Donated by All-India Coordinated Rice Improvement Project (AICRIP), Rajendranagar, Hyderabad. Received through National Bureau of Plant Genetic Resources, IARI, New Delhi, India.
Received January 1980.

439039. Akashi. CVRC. Cultivated. Seed.

439040. Amaravathi. Tamilnadu. Cultivated. Seed.

439041. Annapoorna. Kerala. Cultivated. Seed.

439042. Anupama. Madhya Pradesh. Cultivated. Seed.

439043. Archana. Bihar. Cultivated. Seed.

439044. ASD 14. Tamilnadu. Cultivated. Seed.

439045. Aswathi. Kerala. Cultivated. Seed.

439046. Bala. CVRC. Cultivated. Seed.

439047. Bhagavathy. Tamilnadu. Cultivated. Seed.

439048. Bharathy. Kerala. Cultivated. Seed.

439049. Bhavani. Tamilnadu. Cultivated. Seed.

439050. C 7306. Tamilnadu. Cultivated. Seed.

439051. Cauvery. CVRC. Cultivated. Seed.

439052. Chambal. Rajasthan. Cultivated. Seed.

439053. Deepa. Bihar. Cultivated. Seed.

439054. Garima. Madhya Pradesh. Cultivated. Seed.

439039 TO 439105-continued

- 439055. Gaur 1. Gujarat. Cultivated. Seed.
- 439056. Gaur 2. Gujarat. Cultivated. Seed.
- 439057. Gaur 3. Gujarat. Cultivated. Seed.
- 439058. Gaur 10. Gujarat. Cultivated. Seed.
- 439059. Gaur 11. Gujarat. Cultivated. Seed.
- 439060. Gaur 100. Gujarat. Cultivated. Seed.
- 439061. Gautama. Andhra Pradesh. Cultivated. Seed.
- 439062. Hybrid Mutant 95. Punjab. Cultivated. Seed.
- 439063. Jagannath. CVRC. Cultivated. Seed.
- 439064. Jalgaon 5. Maharashtra. Cultivated. Seed.
- 439065. Jayanthi. CVRC. Cultivated. Seed.
- 439066. Jyothi. Kerala. Cultivated. Seed.
- 439067. K 78-13. Jammu and Kashmir. Cultivated. Seed.
- 439068. K 84. Jammu and Kashmir. Cultivated. Seed.
- 439069. Kakatiya. Andhra Pradesh. Cultivated. Seed.
- 439070. Kalinga I. Orissa. Cultivated. Seed.
- 439071. Kalinga II. Orissa. Cultivated. Seed.
- 439072. Kanchan. Bihar. Cultivated. Seed.
- 439073. Karjat 14-7. Maharashtra. Cultivated. Seed.
- 439074. Karjat 184. Maharashtra. Cultivated. Seed.
- 439075. Khonorulu. Meghalaya. Cultivated. Seed.
- 439076. Kiran. Bihar. Cultivated. Seed.
- 439077. Kranti. Madhya Pradesh. Cultivated. Seed.
- 439078. Ngoba. Meghalaya. Cultivated. Seed.
- 439079. Palghar 60. Maharashtra. Cultivated. Seed.
- 439080. Panidhan I. Bihar. Cultivated. Seed.

439039 TO 439105--continued

- 439081. Panidhan II. Bihar. Cultivated. Seed.
- 439082. PC 19. Jammu and Kashmir. Cultivated. Seed.
- 439083. Phalguna. Andhra Pradesh. Cultivated. Seed.
- 439084. PR 103. Punjab. Cultivated. Seed.
- 439085. PR 106. Punjab. Cultivated. Seed.
- 439086. Prabhat. Andhra Pradesh. Cultivated. Seed.
- 439087. Rasi. CVRC. Cultivated. Seed.
- 439088. Ratnagiri 24. Maharashtra. Cultivated. Seed.
- 439089. Ratnagiri 68-1. Maharashtra. Cultivated. Seed.
- 439090. Ratnagiri 68-1-1. Maharashtra. Cultivated. Seed.
- 439091. Rohini. Kerala. Cultivated. Seed.
- 439092. Sabari. Kerala. Cultivated. Seed.
- 439093. Saket 4. Uttar Pradesh. Cultivated. Seed.
- 439094. Sarjoo 49. Uttar Pradesh. Cultivated. Seed.
- 439095. Sarjoo 50. Uttar Pradesh. Cultivated. Seed.
- 439096. Sita. Bihar. Cultivated. Seed.
- 439097. Soorya. Maharashtra. Cultivated. Seed.
- 439098. Suhasini. Maharashtra. Cultivated. Seed.
- 439099. Supriya. Orissa. Cultivated. Seed.
- 439100. Surekha. Andhra Pradesh. Cultivated. Seed.
- 439101. Tella Hamsa. Andhra Pradesh. Cultivated. Seed.
- 439102. Tuljapur-1. Maharashtra. Cultivated. Seed.
- 439103. Vaigai. Tamilnadu. Cultivated. Seed.
- 439104. Vasistha. Andhra Pradesh. Cultivated. Seed.
- 439105. Vikram. Karnataka. Cultivated. Seed.

439106 TO 439119. *Oryza sativa* L. (Poaceae) Rice.

From Chile. Donated by Instituto de Investigaciones Agropecuarias, Estacion Experimental Quilamapu, Chillan. Received January 1980.

- 439106. CH 126-129. Cold tolerant. Cultivated. Seed.
- 439107. CH 153-138. Cold tolerant. Cultivated. Seed.
- 439108. CH 221-44. Cold tolerant. Cultivated. Seed.
- 439109. CH 242-32. Cold tolerant. Cultivated. Seed.
- 439110. CH 271-131. Cold tolerant. Cultivated. Seed.
- 439111. CH 272-132. Cold tolerant. Cultivated. Seed.
- 439112. CH 349-30. Cold tolerant. Cultivated. Seed.
- 439113. CH 434-94. Cold tolerant. Cultivated. Seed.
- 439114. CH 456A-103. Seeds very small. Cold tolerant. Cultivated. Seed.
- 439115. CH 512-124. Cold tolerant. Cultivated. Seed.
- 439116. Diamante. Long grain. Cold tolerant. Cultivated. Seed.
- 439117. Niquen. Early. Cold tolerant. Cultivated. Seed.
- 439118. Oro. High yield. Cold tolerant. Cultivated. Seed.
- 439119. Quella. High yield. Cold tolerant. Cultivated. Seed.

439120 TO 439146. *Oryza sativa* L. (Poaceae) Rice.

From Egypt. Donated by T. Abdel-Hak, Institute of Plant Pathology, Agricultural Research Center, Giza. Received August 1979.

- 439120. Agami M1. Moderately susceptible to blast. Cultivated. Seed.
- 439121. Arabi. Blast resistant. Cultivated. Seed.
- 439122. CR 236-21. Moderately resistant to blast. Cultivated. Seed.
- 439123. CR 373-2-1-1. Blast resistant. Cultivated. Seed.
- 439124. CR 395-1-2-3. Blast resistant. Cultivated. Seed.

439120 TO 439146-continued

- 439125. CR 418-3-12. Blast resistant. Cultivated. Seed.
- 439126. CR 549-1-1-1. Blast resistant. Cultivated. Seed.
- 439127. CR 561-4-2-1. Blast resistant. Cultivated. Seed.
- 439128. CR 576-12-4-1. Blast resistant. Cultivated. Seed.
- 439129. CR 635-11-2-1. Blast resistant. Cultivated. Seed.
- 439130. Giza 14. Blast susceptible. Cultivated. Seed.
- 439131. Giza 159. Blast susceptible. Cultivated. Seed.
- 439132. Giza 170. Blast susceptible. Cultivated. Seed.
- 439133. Giza 171. Blast susceptible. Cultivated. Seed.
- 439134. Giza 172. Blast susceptible. Cultivated. Seed.
- 439135. Giza 180. IR 579-48. Blast resistant. Cultivated. Seed.
- 439136. IET 2845. India. Blast resistant. Cultivated. Seed.
- 439137. IR 1615-246. Philippines. Blast resistant. Cultivated. Seed.
- 439138. IR 1626-203. Philippines. Blast resistant. Cultivated. Seed.
- 439139. Nabatat Asmer. Moderately susceptible to blast. Cultivated. Seed.
- 439140. Nahda. Blast susceptible. Cultivated. Seed.
- 439141. Reiho. Japan. Moderately resistant to blast. Cultivated. Seed.
- 439142. Sabieny. Blast susceptible. Cultivated. Seed.
- 439143. Yabani 15. Blast susceptible. Cultivated. Seed.
- 439144. Yabani Lulu. Blast susceptible. Cultivated. Seed.
- 439145. Yabani M7. Blast susceptible. Cultivated. Seed.
- 439146. YNA 223. Blast resistant. Cultivated. Seed.

439147 TO 439203. *Oryza sativa* L. (Poaceae) Rice.

From Philippines. Donated by International Rice Research

439147 TO 439203-continued
Institute, Manila.
Received November 1979.

- 439147. IR 24. Cultivated. Seed.
- 439148. IR 28. Cultivated. Seed.
- 439149. IR 29. Cultivated. Seed.
- 439150. IR 32. Organic soil tolerant. Cultivated. Seed.
- 439151. IR 34. Organic soil tolerant. Cultivated. Seed.
- 439152. IR 36. Cultivated. Seed.
- 439153. IR 38. Organic soil tolerant. Cultivated. Seed.
- 439154. IR 42. Organic soil tolerant. Cultivated. Seed.
- 439155. IR 44. Cultivated. Seed.
- 439156. IR 46. Cultivated. Seed.
- 439157. IR 480-5-9-3. Cultivated. Seed.
- 439158. IR 747B2-6-3. Cultivated. Seed.
- 439159. IR 1416-131-5-10-2. Cultivated. Seed.
- 439160. IR 1416-142-2-3-3. Cultivated. Seed.
- 439161. IR 1544-340-6-1. Cultivated. Seed.
- 439162. IR 1561-228-3-3. Cultivated. Seed.
- 439163. IR 1905-81-3-1. Cultivated. Seed.
- 439164. IR 1905-PP11-29-4-62. Cultivated. Seed.
- 439165. IR 1909-P234. Cultivated. Seed.
- 439166. IR 2035-255-2-3-1. Cultivated. Seed.
- 439167. IR 2053-521-1-1-2. Cultivated. Seed.
- 439168. IR 2307-247-2-2-3. Cultivated. Seed.
- 439169. IR 2415-90-4-3-2. Cultivated. Seed.
- 439170. IR 2588-2-3-2-1. Cultivated. Seed.
- 439171. IR 2588-49-3-3-3. Cultivated. Seed.

439147 TO 439203-continued

- 439172. IR 2793-80-1. Cultivated. Seed.
- 439173. IR 2823-399-5-6. Cultivated. Seed.
- 439174. IR 3259-PP5-160-1. Cultivated. Seed.
- 439175. IR 3518-96-2-2-2. Organic soil tolerant. Cultivated. Seed.
- 439176. IR 4422-6-2-3-1. Organic soil tolerant. Cultivated. Seed.
- 439177. IR 4432-38-6-5-2. Organic soil tolerant. Cultivated. Seed.
- 439178. IR 4563-52-1-3-6. Cultivated. Seed.
- 439179. IR 4570-83-3-3-2. Cultivated. Seed.
- 439180. IR 4613-54-5. Organic soil tolerant. Cultivated. Seed.
- 439181. IR 5533-13-1-1. Cultivated. Seed.
- 439182. IR 5657-33-2-1-2. Cultivated. Seed.
- 439183. IR 5853-162-1-2-3. Cultivated. Seed.
- 439184. IR 5853-118-5. Cultivated. Seed.
- 439185. IR 8073-65-6-1. Cultivated. Seed.
- 439186. IR 8608-20-2-3-2-3. Cultivated. Seed.
- 439187. IR 9224-117-2-3-3. Cultivated. Seed.
- 439188. IR 9224-223-2-2-2-1. Cultivated. Seed.
- 439189. IR 9782-111-2-1-2. Cultivated. Seed.
- 439190. IR 9784-142-1-3-3. Cultivated. Seed.
- 439191. IR 13168-143-1. Cultivated. Seed.
- 439192. IR 13415-9-3. Cultivated. Seed.
- 439193. IR 13419-35-1. Cultivated. Seed.
- 439194. Bayar Putih. Cultivated. Seed.
- 439195. BG90-2. Cultivated. Seed.
- 439196. BR51-91-6. Cultivated. Seed.

439147 TO 439203-continued

439197. CIAT-ICA 1. Cultivated. Seed.

439198. CIAT-ICA 5. Cultivated. Seed.

439199. CICA 8. Cultivated. Seed.

439200. Lemo. Cultivated. Seed.

439201. Mahsuri. Cultivated. Seed.

439202. Pelita I-1. Cultivated. Seed.

439203. Suweon 2&7. Cultivated. Seed.

439204. *Sorghum versicolor* Anderss. (Poaceae).

From United States. Donated by R. L. Voigt, Department of Plant Sciences, The University of Arizona, Tucson, Arizona. Received through J. E. Endrizzi, Department of Plant Sciences, Univ. of Arizona, Tucson.
Received May 1979.

MN1573. Origin unknown. Received February 2, 1951 from Chillicothe, Texas. Grass-type parasorghum. N=5.

439205 TO 439206. *Oryza sativa* L. (Poaceae) Rice.

From Brazil. Donated by Empresa Brasileira de Pesquisa Agropecuaria, Centro Nacional de Recursos Geneticos, Brazil.
Received January 1980.

439205. Pratao. Cultivated. Seed.

439206. Pratao Precoce. Cultivated. Seed.

439207 TO 439358. *Capsicum annuum* L. (Solanaceae).

From United States. Donated by P. G. Smith, Department of Vegetable Crops, University of California, Davis, California.
Received January 1980.

439207. 1251. Argentina. Cultivated. Seed.

439208. 1752. Argentina. Cultivated. Seed.

439209. 1758. Argentina. Cultivated. Seed.

439210. 1781. Argentina. Cultivated. Seed.

439207 TO 439358-continued

- 439211. 2196. Argentina. Cultivated. Seed.
- 439212. 1859. Bolivia. Cultivated. Seed.
- 439213. 1235. Brazil. Cultivated. Seed.
- 439214. 1875. Brazil. Cultivated. Seed.
- 439215. 2020. Brazil. Cultivated. Seed.
- 439216. 2022. Brazil. Cultivated. Seed.
- 439217. 1513. Chile. Cultivated. Seed.
- 439218. 1531. Colombia. Cultivated. Seed.
- 439219. 1243. Costa Rica. Cultivated. Seed.
- 439220. 1247. Costa Rica. Cultivated. Seed.
- 439221. 1264. Costa Rica. Cultivated. Seed.
- 439222. 1511. Costa Rica. Cultivated. Seed.
- 439223. 1570. Costa Rica. Cultivated. Seed.
- 439224. 1572. Costa Rica. Cultivated. Seed.
- 439225. 1578. Costa Rica. Cultivated. Seed.
- 439226. 1579. Costa Rica. Cultivated. Seed.
- 439227. 1580. Costa Rica. Cultivated. Seed.
- 439228. 1581. Costa Rica. Cultivated. Seed.
- 439229. 1582. Costa Rica. Cultivated. Seed.
- 439230. 1583. Costa Rica. Cultivated. Seed.
- 439231. 1588. Costa Rica. Cultivated. Seed.
- 439232. 1589. Costa Rica. Cultivated. Seed.
- 439233. 1612. Costa Rica. Cultivated. Seed.
- 439234. 1635. Costa Rica. Cultivated. Seed.
- 439235. 1636. Costa Rica. Mixed with *C. chinense*. Cultivated. Seed.
- 439236. 1639. Costa Rica. Cultivated. Seed.

439207 TO 439358-continued

- 439237. 1640. Costa Rica. Cultivated. Seed.
- 439238. 1643. Costa Rica. Cultivated. Seed.
- 439239. 1646. Costa Rica. Cultivated. Seed.
- 439240. 2197. Ecuador. Cultivated. Seed.
- 439241. 1824. Ethiopia. Cultivated. Seed.
- 439242. 1988. Fiji. Cultivated. Seed.
- 439243. 1140. Guatemala. Cultivated. Seed.
- 439244. 1655. Guatemala. Cultivated. Seed.
- 439245. 1881. India. Cultivated. Seed.
- 439246. 1998. India. Cultivated. Seed.
- 439247. 2070. India. Cultivated. Seed.
- 439248. 1949. Iran. Cultivated. Seed.
- 439249. 1950. Iran. Cultivated. Seed.
- 439250. 1952. Iran. Cultivated. Seed.
- 439251. 1953. Iran. Cultivated. Seed.
- 439252. 1990. Iran. Cultivated. Seed.
- 439253. 767. Hontaka. Japan. Cultivated. Seed.
- 439254. 768. Hontaka. Japan. Cultivated. Seed.
- 439255. 1775. Japan. Cultivated. Seed.
- 439256. 1777. Japan. Cultivated. Seed.
- 439257. 2010. Japan. Cultivated. Seed.
- 439258. 1992. Korea, Republic of. Cultivated. Seed.
- 439259. 1993. Korea, Republic of. Cultivated. Seed.
- 439260. 2136. Korea, Republic of. Cultivated. Seed.
- 439261. 393. Mexico. Cultivated. Seed.
- 439262. 396. Mexico. Cultivated. Seed.

439207 TO 439358-continued

439263. 637. Guajillo. Mexico. Cultivated. Seed.
439264. 959. Mexico. Cultivated. Seed.
439265. 961. Mexico. Cultivated. Seed.
439266. 964. Mexico. Cultivated. Seed.
439267. 968. Mexico. Cultivated. Seed.
439268. 969. Mexico. Cultivated. Seed.
439269. 991. Mexico. Cultivated. Seed.
439270. 993. Mexico. Cultivated. Seed.
439271. 994. Mexico. Cultivated. Seed.
439272. 996. Mexico. Cultivated. Seed.
439273. 997. Mexico. Cultivated. Seed.
439274. 1000. Mexico. Cultivated. Seed.
439275. 1176. Mexico. Cultivated. Seed.
439276. 1182. Mexico. Wild. Seed.
439277. 1184. Mexico. Cultivated. Seed.
439278. 1502. Mexico. Cultivated. Seed.
439279. 1503. Mexico. Cultivated. Seed.
439280. 1506. Mexico. Cultivated. Seed.
439281. 1507. Mexico. Cultivated. Seed.
439282. 1508. Mexico. Cultivated. Seed.
439283. 1535. Mexico. Cultivated. Seed.
439284. 1542. Mexico. Cultivated. Seed.
439285. 1544. Mexico. Cultivated. Seed.
439286. 1546. Mexico. Cultivated. Seed.
439287. 1548. Mexico. Cultivated. Seed.
439288. 1549. Mexico. Cultivated. Seed.

439207 TO 439358-continued

439289. 1552. Mexico. Cultivated. Seed.
439290. 1710. Mexico. Cultivated. Seed.
439291. 1712. Mexico. Cultivated. Seed.
439292. 1713. Mexico. Cultivated. Seed.
439293. 1798. Mexico. Cultivated. Seed.
439294. 1806. Mexico. Cultivated. Seed.
439295. 1809. Mexico. Cultivated. Seed.
439296. 1810. Mexico. Cultivated. Seed.
439297. 1812. Mexico. Cultivated. Seed.
439298. 1814. Mexico. Cultivated. Seed.
439299. 1815. Mexico. Cultivated. Seed.
439300. 1816. Mexico. Cultivated. Seed.
439301. 1817. Mexico. Cultivated. Seed.
439302. 1819. Mexico. Cultivated. Seed.
439303. 1820. Mexico. Cultivated. Seed.
439304. 1821. Mexico. Cultivated. Seed.
439305. 1890. Mexico. Cultivated. Seed.
439306. 1976. Mexico. Cultivated. Seed.
439307. 1978. Mexico. Cultivated. Seed.
439308. 1997. Mexico. Cultivated. Seed.
439309. 2080. Mexico. Cultivated. Seed.
439310. 2083. Mexico. Cultivated. Seed.
439311. 2084. Mexico. Cultivated. Seed.
439312. 2085. Mexico. Cultivated. Seed.
439313. 2086. Mexico. Cultivated. Seed.
439314. 2143. Mexico. Cultivated. Seed.

439207 TO 439358-continued

- 439315. 2144. Mexico. Cultivated. Seed.
- 439316. 2145. Mexico. Cultivated. Seed.
- 439317. 2146. Mexico. Cultivated. Seed.
- 439318. 2147. Mexico. Cultivated. Seed.
- 439319. 2148. Mexico. Cultivated. Seed.
- 439320. 2150. Mexico. Cultivated. Seed.
- 439321. 2174. Mexico. Cultivated. Seed.
- 439322. 2187. Mexico. Cultivated. Seed.
- 439323. 2013. Netherlands. Cultivated. Seed.
- 439324. 2014. Netherlands. Cultivated. Seed.
- 439325. 1537. Nicaragua. Cultivated. Seed.
- 439326. 1540. Nicaragua. Cultivated. Seed.
- 439327. 639. Nigeria. Cultivated. Seed.
- 439328. 2024. Peru. Cultivated. Seed.
- 439329. 2027. Peru. Cultivated. Seed.
- 439330. 2030. Peru. Cultivated. Seed.
- 439331. 2044. Peru. Cultivated. Seed.
- 439332. 2045. Peru. Cultivated. Seed.
- 439333. 2048. Peru. Cultivated. Seed.
- 439334. 2087. Peru. Cultivated. Seed.
- 439335. 2118. Peru. Cultivated. Seed.
- 439336. 2119. Peru. Cultivated. Seed.
- 439337. 1884. Philippines. Cultivated. Seed.
- 439338. 2165. Romania. Cultivated. Seed.
- 439339. 1996. Thailand. Cultivated. Seed.
- 439340. 2068. Thailand. Cultivated. Seed.

439207 TO 439358-continued

- 439341. 1557. Trinidad and Tobago. Cultivated. Seed.
- 439342. 1559. Trinidad and Tobago. Cultivated. Seed.
- 439343. 1823. Turkey. Cultivated. Seed.
- 439344. 748. Miss. Sport. United States. Cultivated. Seed.
- 439345. 750. United States. South Carolina. Faprika type. Cultivated. Seed.
- 439346. 975. United States. Texas. Cultivated. Seed.
- 439347. 1238. United States. Texas. Pods non-waxy. Cultivated. Seed.
- 439348. 1783. United States. Cultivated. Seed.
- 439349. 1957. United States. Cultivated. Seed.
- 439350. 2066. United States. Hawaii. Cultivated. Seed.
- 439351. 2130. United States. Hawaii. Cultivated. Seed.
- 439352. 2133. United States. Hawaii. Cultivated. Seed.
- 439353. 2135. United States. Hawaii. Cultivated. Seed.
- 439354. 2137. United States. Hawaii. Cultivated. Seed.
- 439355. 2138. United States. Hawaii. Cultivated. Seed.
- 439356. 2151. United States. Cultivated. Seed.
- 439357. 1499. Venezuela. Cultivated. Seed.
- 439358. 1180. Cultivated. Seed.

439359 TO 439412. *Capsicum baccatum* L. (Solanaceae) Aji.

From United States. Donated by P. G. Smith, Department of Vegetable Crops, University of California, Davis, California. Received January 1980.

- 439359. 1755. Argentina. Cultivated. Seed.
- 439360. 1005. Bolivia. Cultivated. Seed.
- 439361. 1553. Bolivia. Cultivated. Seed.
- 439362. 1792. Bolivia. Cultivated. Seed.

439359 TO 439412-continued

- 439363. 1857. Bolivia. Cultivated. Seed.
- 439364. 1232. Brazil. Cultivated. Seed.
- 439365. 1871. Brazil. Cultivated. Seed.
- 439366. 1874. Brazil. Cultivated. Seed.
- 439367. 2018. Brazil. Cultivated. Seed.
- 439368. 2071. Brazil. Cultivated. Seed.
- 439369. 2128. Bulgaria. Cultivated. Seed.
- 439370. 2129. Bulgaria. Cultivated. Seed.
- 439371. 1517. Chile. Cultivated. Seed.
- 439372. 1519. Chile. Cultivated. Seed.
- 439373. 1595. Costa Rica. Cultivated. Seed.
- 439374. 1616. Costa Rica. Cultivated. Seed.
- 439375. 1617. Costa Rica. Cultivated. Seed.
- 439376. 921. Ecuador. Cultivated. Seed.
- 439377. 974. Ecuador. Cultivated. Seed.
- 439378. 1979. Jamaica. Cultivated. Seed.
- 439379. 1223. Mexico. Cultivated. Seed.
- 439380. 1532. Mexico. Cultivated. Seed.
- 439381. 2019. Mexico. Cultivated. Seed.
- 439382. 2175. Paraguay. Cultivated. Seed.
- 439383. 911. Peru. Cultivated. Seed.
- 439384. 922. Peru. Cultivated. Seed.
- 439385. 923. Peru. Cultivated. Seed.
- 439386. 1492. Peru. Cultivated. Seed.
- 439387. 1494. Peru. Cultivated. Seed.
- 439388. 1986. Peru. Cultivated. Seed.

439359 TO 439412-continued

- 439389. 2005. Peru. Cultivated. Seed.
- 439390. 2025. Peru. Cultivated. Seed.
- 439391. 2026. Peru. Cultivated. Seed.
- 439392. 2028. Peru. Cultivated. Seed.
- 439393. 2033. Peru. Cultivated. Seed.
- 439394. 2036. Peru. Cultivated. Seed.
- 439395. 2038. Peru. Cultivated. Seed.
- 439396. 2040. Peru. Cultivated. Seed.
- 439397. 2041. Peru. Cultivated. Seed.
- 439398. 2043. Peru. Cultivated. Seed.
- 439399. 2049. Peru. Cultivated. Seed.
- 439400. 2052. Peru. Cultivated. Seed.
- 439401. 2055. Peru. Cultivated. Seed.
- 439402. 2056. Peru. Cultivated. Seed.
- 439403. 2058. Peru. Cultivated. Seed.
- 439404. 2095. Peru. Cultivated. Seed.
- 439405. 2111. Peru. Cultivated. Seed.
- 439406. 2153. Peru. Cultivated. Seed.
- 439407. 1941. United States. Cultivated. Seed.
- 439408. 2123. Uruguay. Cultivated. Seed.
- 439409. 2124. Uruguay. Cultivated. Seed.
- 439410. 2125. Uruguay. Cultivated. Seed.
- 439411. 2126. Uruguay. Cultivated. Seed.
- 439412. 1961. Venezuela. Cultivated. Seed.

439413 TO 439415. *Capsicum chacoense* Hunziker (Solanaceae).

From United States. Donated by P. G. Smith, Department of

439413 TO 439415-continued

**Vegetable Crops, University of California, Davis, California.
Received January 1980.**

439413. 1256. Argentina. Cultivated. Seed.

439414. 1848. Argentina. Cultivated. Seed.

439415. 1258. Bolivia. Cultivated. Seed.

439416 TO 439487. *Capsicum chinense* Jacq. (Solanaceae) Aji,

**From United States. Donated by P. G. Smith, Department of
Vegetable Crops, University of California, Davis, California.
Received January 1980.**

439416. 1541. Bolivia. Cultivated. Seed.

439417. 1554. Bolivia. Cultivated. Seed.

439418. 1556. Bolivia. Cultivated. Seed.

439419. 1795. Colombia. Cultivated. Seed.

439420. 1796. Colombia. Cultivated. Seed.

439421. 1797. Colombia. Cultivated. Seed.

439422. 1603. Costa Rica. Cultivated. Seed.

439423. 1604. Costa Rica. Cultivated. Seed.

**439424. 1606. Costa Rica. Mixed with *C. frutescens*. Cultivated.
Seed.**

439425. 1619. Costa Rica. Cultivated. Seed.

439426. 1627. Costa Rica. Cultivated. Seed.

439427. 1631. Costa Rica. Cultivated. Seed.

439428. 1642. Costa Rica. Cultivated. Seed.

439429. 1942. Ecuador. Cultivated. Seed.

439430. 2198. Ecuador. Cultivated. Seed.

439431. 1989. Fiji. Cultivated. Seed.

439432. 1991. Korea, Republic of. Cultivated. Seed.

439433. 902. Mexico. Cultivated. Seed.

439416 TO 439487-continued

439434. 906. *Uvilla grande*. Mexico. Cultivated. Seed.
439435. 1799. Mexico. Cultivated. Seed.
439436. 914. Peru. Cultivated. Seed.
439437. 919. Peru. Cultivated. Seed.
439438. 1491. Peru. Cultivated. Seed.
439439. 2004. Peru. Cultivated. Seed.
439440. 2017. Peru. Cultivated. Seed.
439441. 2053. Peru. Cultivated. Seed.
439442. 2077. Peru. Cultivated. Seed.
439443. 2093. Peru. Cultivated. Seed.
439444. 2094. Peru. Cultivated. Seed.
439445. 2096. Peru. Cultivated. Seed.
439446. 2097. Peru. Cultivated. Seed.
439447. 2099. Peru. Cultivated. Seed.
439448. 2100. Peru. Cultivated. Seed.
439449. 2101. Peru. Cultivated. Seed.
439450. 2102. Peru. Cultivated. Seed.
439451. 2103. Peru. Cultivated. Seed.
439452. 2104. Peru. Cultivated. Seed.
439453. 2105. Peru. Cultivated. Seed.
439454. 2106. Peru. Mixed with *C. baccatum*. Cultivated. Seed.
439455. 2108. Peru. Cultivated. Seed.
439456. 2109. Peru. Cultivated. Seed.
439457. 2110. Peru. Cultivated. Seed.
439458. 2112. Peru. Cultivated. Seed.
439459. 2113. Peru. Cultivated. Seed.

439416 TO 439487-continued

439460. 2114. Peru. Cultivated. Seed.
439461. 2115. Peru. Cultivated. Seed.
439462. 2116. Peru. Cultivated. Seed.
439463. 2117. Peru. Cultivated. Seed.
439464. 2139. Peru. Cultivated. Seed.
439465. 2141. Peru. Cultivated. Seed.
439466. 2142. Peru. Cultivated. Seed.
439467. 2154. Peru. Cultivated. Seed.
439468. 2157. Peru. Cultivated. Seed.
439469. 1725. Surinam. Mixed with *C. frutescens*. Cultivated.
Seed.
439470. 1726. Surinam. Cultivated. Seed.
439471. 1736. Surinam. Mixed with *C. frutescens*. Cultivated.
Seed.
439472. 1740. Surinam. Cultivated. Seed.
439473. 1741. Surinam. Cultivated. Seed.
439474. 1947. Trinidad and Tobago. Cultivated. Seed.
439475. 2179. Trinidad and Tobago. Cultivated. Seed.
439476. 1774. United States. Puerto Rico. Cultivated. Seed.
439477. 1801. United States. Puerto Rico. Cultivated. Seed.
439478. 2170. United States. Puerto Rico. Cultivated. Seed.
439479. 2171. United States. Puerto Rico. Cultivated. Seed.
439480. 2178. United States. Puerto Rico. Cultivated. Seed.
439481. 2181. United States. Puerto Rico. Cultivated. Seed.
439482. 1850. Venezuela. Cultivated. Seed.
439483. 1851. Venezuela. Cultivated. Seed.
439484. 1852. Venezuela. Cultivated. Seed.

439416 TO 439487-continued

439485. 1962. Venezuela. Cultivated. Seed.

439486. 1965. Venezuela. Cultivated. Seed.

439487. 1268. Mixed with *C. frutescens*. Cultivated. Seed.

439488 TO 439527. *Capsicum frutescens* L. (Solanaceae) Redpepper.

From United States. Donated by P. G. Smith, Department of Vegetable Crops, University of California, Davis, California. Received January 1980.

439488. 1793. Bolivia. Cultivated. Seed.

439489. 1228. Brazil. Cultivated. Seed.

439490. 1876. Brazil. Cultivated. Seed.

439491. 1940. Brazil. Cultivated. Seed.

439492. 1943. Brazil. Cultivated. Seed.

439493. 1864. Colombia. Cultivated. Seed.

439494. 979. Costa Rica. Cultivated. Seed.

439495. 983. Costa Rica. Cultivated. Seed.

439496. 1246. Costa Rica. Cultivated. Seed.

439497. 1512. Costa Rica. Cultivated. Seed.

439498. 1574. Costa Rica. Cultivated. Seed.

439499. 1585. Costa Rica. Cultivated. Seed.

439500. 1614. Costa Rica. Cultivated. Seed.

439501. 1625. Costa Rica. Cultivated. Seed.

439502. 1645. Costa Rica. Cultivated. Seed.

439503. 1651. Costa Rica. Cultivated. Seed.

439504. 2089. Costa Rica. Cultivated. Seed.

439505. 2091. Costa Rica. Cultivated. Seed.

439506. 1252. Cuba. Cultivated. Seed.

439507. 1946. Ecuador. Cultivated. Seed.

439488 TO 439527-continued

- 439508. 988. El Salvador. Cultivated. Seed.
- 439509. 1987. Fiji. Cultivated. Seed.
- 439510. 2064. Guatemala. Cultivated. Seed.
- 439511. 408. Mexico. Cultivated. Seed.
- 439512. 904. Rat chili. Mexico. Cultivated. Seed.
- 439513. 967. Mexico. Cultivated. Seed.
- 439514. 972. Mexico. Cultivated. Seed.
- 439515. 1539. Nicaragua. Cultivated. Seed.
- 439516. 930. Peru. Cultivated. Seed.
- 439517. 1882. Philippines. Cultivated. Seed.
- 439518. 1883. Philippines. Cultivated. Seed.
- 439519. 1885. Philippines. Cultivated. Seed.
- 439520. 1889. Philippines. Cultivated. Seed.
- 439521. 834. Solomon Islands. Cultivated. Seed.
- 439522. 1742. Surinam. Cultivated. Seed.
- 439523. 835. United Kingdom. Hebrides. Cultivated. Seed.
- 439524. 2180. Venezuela. Cultivated. Seed.
- 439525. 2183. Venezuela. Cultivated. Seed.
- 439526. 1270. Cultivated. Seed.
- 439527. 1272. Cultivated. Seed.

439528. *Capsicum praetermissum* Heiser & Smith (Solanaceae).

From United States. Donated by P. G. Smith, Department of Vegetable Crops, University of California, Davis, California. Received January 1980.

1870. Brazil. Cultivated. Seed.

439529. *Capsicum pubescens* Ruiz & Pavon (Solanaceae) Rocoto.

From United States. Donated by P. G. Smith, Department of

439529-continued

Vegetable Crops, University of California, Davis, California.
Received January 1980.

2163. Peru. Cultivated. Seed.

439530. *Crocus sativus* L. (Iridaceae) Saffron crocus.

From Spain. Donated by C. Gomez-Campo, Universidad Politecnica
Escuela Tecnica Superior de Ingenieros Agronomos, Madrid-3.
Received June 1979.

Collected May 1979. Membrilla, Ciudad Real Prov., 180km
south of Madrid. Cultivated. Corms.

**439531. *Asparagus asparagoides* (L.) W. F. Wight (Liliaceae) Smilax
asparagus.**

From Algeria. Donated by Jardin D'Essais du Hamma, Station
Centale de Floriculture et Plantes Medicinales, Alger. Code
numbers refer to 1978 Seed list.
Received January 1980.

484. Wild. Seed.

439532. *Asparagus falcatus* L. (Liliaceae).

From Algeria. Donated by Jardin D'Essais du Hamma, Station
Centale de Floriculture et Plantes Medicinales, Alger. Code
numbers refer to 1978 Seed list.
Received January 1980.

482. Wild. Seed.

439533. *Ruscus aculeatus* L. (Liliaceae).

From Algeria. Donated by Jardin D'Essais du Hamma, Station
Centale de Floriculture et Plantes Medicinales, Alger. Code
numbers refer to 1978 Seed list.
Received January 1980.

504. Wild. Seed.

**439534 TO 439536. *Phaseolus coccineus* L. (Fabaceae) Scarlet runner
bean.**

From Netherlands. Donated by A.C. Zeven, Institute of Plant
Breeding, Agricultural University, Wageningen.
Received February 1980.

439534 TO 439536-continued

- 439534. 3.37. Pronker. Woubrugge. Seeds purple-mottled. Landrace. Seed.**
- 439535. 3.40. Pronker. Wageningen. Seed purple-mottled. Landrace. Seed.**
- 439536. 6.04. Grote zwarte. Woubrugge. Seeds black. Landrace. Seed.**

439537 TO 439576. Phaseolus vulgaris L. (Fabaceae) Garden bean.

From Netherlands. Donated by A.C. Zeven, Institute of Plant Breeding, Agricultural University, Wageningen. Received February 1980.

- 439537. 1.21. Schabenause. Renkun. Seeds white. Cultivated. Landrace. Seed.**
- 439538. 1.28. Krombek stokboon. Dalen. Seeds white. Cultivated. Landrace. Seed.**
- 439539. 1.32. Kookboon. Baarlo. Seeds white. Cultivated. Landrace. Seed.**
- 439540. 1.33. Wit-rood boontje. Barneveld. Seeds white. Cultivated. Landrace. Seed.**
- 439541. 1.41. Walcherse witte. L.P.T. Seeds white. Cultivated. Landrace. Seed.**
- 439542. 1.43. Witte polboon. Appeltern. Seeds white. Cultivated. Landrace. Seed.**
- 439543. 1.44. Wit suiker boontje. Appeltern. Seeds white. Cultivated. Landrace. Seed.**
- 439544. 1.45. Witte boon. Oirschot. Seeds white. Cultivated. Landrace. Seed.**
- 439545. 1.46. Ka-boon. I.P.O. Seeds white. Cultivated. Landrace. Seed.**
- 439546. 1.47. Witte droog slaboon. Bathmen. Seeds white. Cultivated. Landrace. Seed.**
- 439547. 1.48. Hardschillige witte. Rockanje. Seeds white. Cultivated. Landrace. Seed.**
- 439548. 2.25. Koffie bruine boon. Vlaardingen. Seeds brown. Cultivated. Landrace. Seed.**

439537 TO 439576-continued

439549. 2.30. Bruine kogelboon. Arnhem. Seeds brown. Cultivated. Landrace. Seed.
439550. 2.31. Bruine boon. Bathmen. Seeds brown. Cultivated. Landrace. Seed.
439551. 2.33. Bruine boon. West Friesland. Seeds brown. Cultivated. Landrace. Seed.
439552. 2.35. Moddermannen. Rockanje. Seeds brown. Cultivated. Landrace. Seed.
439553. 3.04 II. Kleinzadige. Wouda. Seeds purple-mottled. Cultivated. Landrace. Seed.
439554. 3.10. Groot zadige. Wageningen III. Seeds purple mottled. Cultivated. Landrace. Seed.
439555. 3.16. Groot zadige. I.V.P. Seeds purple-mottled. Cultivated. Landrace. Seed.
439556. 3.34. Stokkievits boon. Arnhem. Seeds purple-mottled. Cultivated. Landrace. Seed.
439557. 3.35. Kievitsboon. Druten. Seeds purple mottled. Cultivated. Landrace. Seed.
439558. 3.36. Kievitsboon. Batenburg. Seeds purple mottled. Cultivated. Landrace. Seed.
439559. 3.39. Renka. I.P.O. Seeds purple mottled. Cultivated. Landrace. Seed.
439560. 3.41. Kievitseitje. Rockanje. Seeds purple mottled. Cultivated. Landrace. Seed.
439561. 3.42. Roodbruine kievit. Rockanje. Seeds purple mottled. Cultivated. Landrace. Seed.
439562. 3.43. Bruine kievit. Rockanje. Seeds purple-mottled. Cultivated. Landrace. Seed.
439563. 3.44. Bruin gevlekte Moddermannen. Rockanje. Seeds purple-mottled. Cultivated. Landrace. Seed.
439564. 3.45. Kievitsboon. Steenwijk. Seeds purple-mottled. Cultivated. Landrace. Seed.
439565. 3.46. Kievitsboon. Dalfsen. Seeds purple-mottled. Cultivated. Landrace. Seed.
439566. 3.47. Kievitsboon. Dalfsen. Seeds purple-mottled.

439537 TO 439576—continued

Cultivated. Landrace. Seed.

439567. 4.27. Gele boon. Veendam. Seeds yellow. Cultivated. Landrace. Seed.
439568. 4.28. Gele boon. West Friesland. Seeds yellow. Cultivated. Landrace. Seed.
439569. 4.29. Gele citroen boon. Rockanje. Seeds yellow. Cultivated. Landrace. Seed.
439570. 4.30. Strogele. Veendam. Seeds yellow. Cultivated. Landrace. Seed.
439571. 4.31. Strogele. Wiersma. Seeds yellow. Cultivated. Landrace. Seed.
439572. 5.07. Bruine Soldaat. H.I. Ambacht. Seeds have eyespot. Cultivated. Landrace. Seed.
439573. 6.03. Markus boon. Zelderheide. Seeds black. Cultivated. Landrace. Seed.
439574. 6.05. Zwarte boon. Appeltern. Seeds black. Cultivated. Landrace. Seed.
439575. 6.06. Moortje. Rockanje. Seeds black. Cultivated. Landrace. Seed.
439576. 6.07. Porcelain boon. Rockanje. Seeds black. Cultivated. Landrace. Seed.

439577 TO 439579. *Annona* sp. (Annonaceae).

From Brazil. Collected by W.J. Miller, Department of Genetics, Iowa State University, Ames, Iowa.
Received August 1979.

439577. Sao Paulo. 700-900m. Seed.

439578. Sao Paulo. 700-900m. Seed.

439579. Sao Paulo. 700-900m. Seed.

439580. *Annona squamosa* L. (Annonaceae) Sweetsop.

From Brazil. Collected by W.J. Miller, Department of Genetics, Iowa State University, Ames, Iowa.
Received August 1979.

Sao Paulo. 700-900m. Seed.

439581 TO 439582. Bauhinia sp. (Fabaceae).

From Brazil. Collected by W.J. Miller, Department of Genetics,
Iowa State University, Ames, Iowa.
Received August 1979.

439581. Sao Paulo. 700-900m. Seed.

439582. Sao Paulo. 700-900m. Seed.

439583. Bombax sp. (Bombacaceae).

From Brazil. Collected by W.J. Miller, Department of Genetics,
Iowa State University, Ames, Iowa.
Received August 1979.

Sao Paulo. 700-900m. Seed.

439584. Calophyllum sp. (Clusiaceae).

From Brazil. Collected by W.J. Miller, Department of Genetics,
Iowa State University, Ames, Iowa.
Received August 1979.

Sao Paulo. 700-900m. Seed.

439585 TO 439586. Dolichos lablab L. (Fabaceae) Hyacinth bean.

From Brazil. Collected by W.J. Miller, Department of Genetics,
Iowa State University, Ames, Iowa.
Received August 1979.

439585. Sao Paulo. 700-900m. Seed.

439586. Sao Paulo. 700-900m. Seed.

**439587 TO 439588. Mucuna deeringiana (Bort) Merr. (Fabaceae)
Velvetbean.**

From Brazil. Collected by W.J. Miller, Department of Genetics,
Iowa State University, Ames, Iowa.
Received August 1979.

439587. Sao Paulo. 700-900m. Seed.

439588. Sao Paulo. 700-900m. Seed.

439589. Ravenala madagascariensis Sonner (Musaceae).

From Brazil. Collected by W.J. Miller, Department of Genetics,

439589-continued

Iowa State University, Ames, Iowa.
Received August 1979.

Sao Paulo. 700-900m. Seed.

439590 TO 439591. *Ricinus communis* L. (Euphorbiaceae) Castorbean.

From Brazil. Collected by W.J. Miller, Department of Genetics,
Iowa State University, Ames, Iowa.
Received August 1979.

439590. Sao Paulo. 700-900m. Wild. Seed.

439591. Sao Paulo. 700-900m. Wild. Seed.

439592. *Tephrosia* sp. (Fabaceae).

From Brazil. Collected by W.J. Miller, Department of Genetics,
Iowa State University, Ames, Iowa.
Received August 1979.

Sao Paulo. 700-900m. Seed.

439593. *Terminalia catappa* L. (Combretaceae) Indian-almond.

From Brazil. Collected by W.J. Miller, Department of Genetics,
Iowa State University, Ames, Iowa.
Received August 1979.

Sao Paulo. 700-900m. Seed.

439594 TO 439595. Undetermined (Arecaceae).

From Brazil. Collected by W.J. Miller, Department of Genetics,
Iowa State University, Ames, Iowa.
Received August 1979.

439594. Sao Paulo. 700-900m. Possibly *Orbignya oleifera*. Seed.

439595. Sao Paulo. 700-900m. Probably *Orbignya* sp. Received as
Englerophoenix sp. Seed.

439596 TO 439598. Undetermined (Bignoniaceae).

From Brazil. Collected by W.J. Miller, Department of Genetics,
Iowa State University, Ames, Iowa.
Received August 1979.

439596 TO 439598-continued

439596. Sao Paulo. 700-900m. Seed.

439597. Sao Paulo. 700-900m. Seed.

439598. Sao Paulo. 700-900m. Seed.

439599. Undetermined (Fabaceae).

From Brazil. Collected by W.J. Miller, Department of Genetics,
Iowa State University, Ames, Iowa.

Received August 1979.

Sao Paulo. 700-900m. Seed.

439600 TO 439603. Undetermined.

From Brazil. Collected by W.J. Miller, Department of Genetics,
Iowa State University, Ames, Iowa.

Received August 1979.

439600. Sao Paulo. 700-900m. Seed.

439601. Sao Paulo. 700-900m. Seed.

439602. Sao Paulo. 700-900m. Seed.

439603. Sao Paulo. 700-900m. Seed.

439604. *Lamarckia aurea* (L.) Moench (Poaceae).

From Soviet Union. Donated by Hortus Botanicus Universitatis
Tartuensis, Estonian SSR. Code numbers refer to Index Seminum
1977.

Received March 1979.

1243. Cultivated. Seed.

439605. *Miscanthus sinensis* Anderss. (Poaceae) *Miscanthus*.

From Soviet Union. Donated by Hortus Botanicus Universitatis
Tartuensis, Estonian SSR. Code numbers refer to Index Seminum
1977.

Received March 1979.

1246. 'Ccondensatus'. Cultivated. Seed.

439606. *Capsicum annuum* L. (Solanaceae).

From Malaysia. Donated by J.S. Tanaka, Department of Horticulture, College of Tropical Agriculture, University of Hawaii, Honolulu, Hawaii 96822. Received January 1980.

Plants to 76cm tall. Fruits elongate, red, 7.6cm long, 1.9cm wide. Resistant to bacterial wilt (*Pseudomonas solanacearum*) and nematodes (*Meloidogyne incognita*). Cultivated. Seed.

439607. *Raphanus sativus* L. (Brassicaceae) Radish.

From Germany, Federal Rep of. Donated by P. H. Peterson Saatzeit Lundsgaard, Angeliter Saaten, Langballig. Received through W. Hirling, Landesanstalt fur Pflanzenschutz, Stuttgart. Received July 1979.

'Siletina'. Received as *R. oleiferus*. Cultivated. Seed.

439608 TO 439612. *Oryza sativa* L. (Poaceae) Rice.

From Japan. Donated by K. Furusato, Hamamatsu Flower Park, Kanzanji, Hamamatsu. Received February 1980.

439608. Hieri Nakamura. Aromatic type. Cultivated. Seed.

439609. Hieri Wase. Aromatic type. Cultivated. Seed.

439610. Kaisen. Aromatic type. Cultivated. Seed.

439611. Karasu. Aromatic type. Cultivated. Seed.

439612. Shiratama. Aromatic type. Cultivated. Seed.

439613 TO 439736. *Oryza sativa* L. (Poaceae) Rice.

From Soviet Union. Donated by N.I. Vavilov Institute of Plant Industry, Leningrad. Received February 1980.

439613. VIR 630. Azerbaijan SSR. Received as var. *janthoceros*. Cultivated. Seed.

439614. VIR 650. Azerbaijan SSR. Received as var. *vulgaris*. Cultivated. Seed.

439615. VIR 910. Primorskaya Province. Received as var. *affinis*. Cultivated. Seed.

439613 TO 439736-continued

439616. VIR 944. Sweden. Received as var. nigro-apiculata. Cultivated. Seed.
439617. VIR 1284. Primorskaya Province. Received as var. amaura. Cultivated. Seed.
439618. VIR 1365. India. Received as var. melanotrix. Cultivated. Seed.
439619. VIR 1428. Azerbaijan SSR. Received as var. erythroceros. Cultivated. Seed.
439620. VIR 1440. Primorskaya Province. Received as var. erythroceros. Cultivated. Seed.
439621. VIR 1528. Azerbaijan SSR. Received as var. azerbaijanica. Cultivated. Seed.
439622. VIR 1530. Azerbaijan SSR. Received as var. amaura. Cultivated. Seed.
439623. VIR 1878. Kazakh SSR. Received as var. affinis. Cultivated. Seed.
439624. VIR 1942. Kazakh SSR. Received as var. kasakstanica. Cultivated. Seed.
439625. VIR 2028. Kazakh SSR. Received as var. vavilovi. Cultivated. Seed.
439626. VIR 2081. Kazakh SSR. Received as var. sudensis. Cultivated. Seed.
439627. VIR 2348. Primorskaya Province. Received as var. italica. Cultivated. Seed.
439628. VIR 2412. Korea, North. Penins. Received as var. parnelli. Cultivated. Seed.
439629. VIR 2475. Primorskaya Province. Received as var. nigrescens. Cultivated. Seed.
439630. VIR 2487. Tajik SSR. Received as var. melanotrix. Cultivated. Seed.
439631. VIR 2662. Kirghiz SSR. Received as var. pyrocarpa. Cultivated. Seed.
439632. VIR 2824. Tajik SSR. Received as var. erythroceros. Cultivated. Seed.
439633. VIR 3349. Azerbaijan SSR. Received as var. katayevi.

439613 TO 439736-continued

- Cultivated. Seed.
439634. VIR 3363. Azerbaijan SSR. Received as var. *sudensis*.
Cultivated. Seed.
439635. VIR 3419. Azerbaijan SSR. Received as var. *astarinica*.
Cultivated. Seed.
439636. VIR 3446. Azerbaijan SSR. Received as var. *desvauxii*.
Cultivated. Seed.
439637. VIR 3453. Azerbaijan SSR. Received as var. *dicolorata*.
Cultivated. Seed.
439638. VIR 3458. Azerbaijan SSR. Received as var. *katayevi*.
Cultivated. Seed.
439639. VIR 3646. Iran. Received as var. *zhukovskii*. Cultivated.
Seed.
439640. VIR 4722. Afghanistan. Received as var. *ratoonica*.
Cultivated. Seed.
439641. VIR 3592. Ar-kylcik Mestnyj. Azerbaijan SSR. Received
as var. *vulgaris*. Cultivated. Seed.
439642. VIR 3205. Akula. Azerbaijan SSR. Received as var.
amaura. Cultivated. Seed.
439643. VIR 3946. Alaku'skij. Kazakh SSR. Received as var.
dichroa. Cultivated. Seed.
439644. VIR 4818. Aomori Mochi. Japan. Received as var. *nero-*
apiculata. Cultivated. Seed.
439645. VIR 4603. Arborio. Italy. Received as var. *nero-*
vialonica. Cultivated. Seed.
439646. VIR 3685. Arpa-saly Mestnyj. Uzbek SSR. Received as var.
vulgaris. Cultivated. Seed.
439647. VIR 3950. Astrahankij Mestnyj. Received as var. *vulgaris*.
Cultivated. Seed.
439648. VIR 3713. AzRos 1646. Azerbaijan SSR. Received as var.
cinnamomea. Cultivated. Seed.
439649. VIR 4973. Bajang Allorio. Italy. Received as var. *mutica*.
Cultivated. Seed.
439650. VIR 3384. Bak-saly Mestnyj. Azerbaijan SSR. Received as
var. *cinnamomea*. Cultivated. Seed.

439613 TO 439736--continued

439651. VIR 4176. Basmati. India. Received as var. rufibarbis. Cultivated. Seed.
439652. VIR 4362. Basmati Newer. India. Received as var. fortuna. Cultivated. Seed.
439653. VIR 4349. Begun. India. Received as var. rufibarbis. Cultivated. Seed.
439654. VIR 4824. Bluebonnet 50 Calrose. Australia. Received as var. breviaristata. Cultivated. Seed.
439655. VIR 4178. Boro Black. India. Received as var. sarica. Cultivated. Seed.
439656. VIR 4800. Bozu. Japan. Received as var. italica. Cultivated. Seed.
439657. VIR 1297. Cernyj. Primorskaya Province. Received as var. melanotrix. Cultivated. Seed.
439658. VIR 4917. CH 1039 AC 3008. India. Received as var. gilanica. Cultivated. Seed.
439659. VIR 2701. Chalbe. China, Peoples Repub of. Received as var. alba. Cultivated. Seed.
439660. VIR 4904. CO 29 AC 4545. India. Received as var. gilanica. Cultivated. Seed.
439661. VIR 4882. Donskoj-2. Rostov Region. Received as var. vulgare. Cultivated. Seed.
439662. VIR 3672. Dubovskij-129. Krasnodar Territory. Received as var. erythroceros. Cultivated. Seed.
439663. VIR 4385. Dular. India. Received as var. gilanica. Cultivated. Seed.
439664. VIR 3708. Dvros 0219. Primorskaya Province. Received as var. dichroa. Cultivated. Seed.
439665. VIR 3709. Dvros 2568. Primorskaya Province. Received as var. zeravschanica. Cultivated. Seed.
439666. VIR 5224. EEA 405 Prolifica x Noveli. Brazil. Received as var. gilanica. Cultivated. Seed.
439667. VIR 4701. Fanny. France. Received as var. italica. Cultivated. Seed.
439668. VIR 3823. Fynzan. China, Peoples Repub of. Received as

439613 TO 439736-continued

- var. *italica*. Cultivated. Seed.
439669. VIR 4883. Gasyñ-Hany. Azerbaijan SSR. Received as var. *rufibarbis*. Cultivated. Seed.
439670. VIR 3613. Hodza-Ahmat. Uzbek SSR. Received as var. *erythroceros*. Cultivated. Seed.
439671. VIR 558. Hokkajdo. Primorskaya Province. Received as var. *erythroceros*. Cultivated. Seed.
439672. VIR 1925. Ianan Mestnyj. Primorskaya Province. Received as var. *italica*. Cultivated. Seed.
439673. VIR 2573. Kantori Mestnyj. Primorskaya Province. Received as var. *italica*. Cultivated. Seed.
439674. VIR 4899. Karabaschak. Bulgaria. Received as var. *desvauxii*. Cultivated. Seed.
439675. VIR 5313. Karnerolli. Italy. Received as var. *erythroceros*. Cultivated. Seed.
439676. VIR 3616. Kary-saly. Uzbek SSR. Received as var. *caucasica*. Cultivated. Seed.
439677. VIR 3620. Kasaki-saly Mestnyj. Uzbek SSR. Received as var. *janthoceros*. Cultivated. Seed.
439678. VIR 3782. Kendzo. Primorskaya Province. Received as var. *dichroa*. Cultivated. Seed.
439679. VIR 3370. Kesa. Azerbaijan SSR. Received as var. *movlanica*. Cultivated. Seed.
439680. VIR 4775. Kita-mochi. Japan. Received as var. *alba*. Cultivated. Seed.
439681. VIR 3870. Krasnodarskij 424. Krasnodar Territory. Received as var. *italica*. Cultivated. Seed.
439682. VIR 4609. Kuban 3. Krasnodar Territory. Received as var. *zeravschanica*. Cultivated. Seed.
439683. VIR 4095. Kubanec 508. Krasnodar Territory. Received as var. *zeravschanica*. Cultivated. Seed.
439684. VIR 3753. Kubanskij 140. Krasnodar Territory. Received as var. *italica*. Cultivated. Seed.
439685. VIR 3623. Kyrmyzy. Uzbek SSR. Received as var. *rubra*. Cultivated. Seed.

439613 TO 439736-continued

439686. VIR 3627. Kzul-saly. Uzbek SSR. Received as var. *amaura*. Cultivated. Seed.
439687. VIR 4106. Linia 84. Romania. Received as var. *nigro-apiculata*. Cultivated. Seed.
439688. VIR 5822. M 2354. Krasnodar Territory. Received as var. *nero-vialonica*. Cultivated. Seed.
439689. VIR 3214. Mallai. Azerbaijan SSR. Received as var. *aristata*. Cultivated. Seed.
439690. VIR 3800. Mizuho Issun. Japan. Received as var. *biwako-mockii*. Cultivated. Seed.
439691. VIR 4774. Mizuno Kukomochi. Japan. Received as var. *heuzeana*. Cultivated. Seed.
439692. VIR 4634. Monticelly. Italy. Received as var. *nigro-apiculata*. Cultivated. Seed.
439693. VIR 5793. Mutant 2. Uzbek SSR. Received as var. *vulgaris*. Cultivated. Seed.
439694. VIR 5794. Mutant 3. Uzbek SSR. Received as var. *italica*. Cultivated. Seed.
439695. VIR 5452. N.F.2. Krasnodar Territory. Received as var. *vulgaris*. Cultivated. Seed.
439696. VIR 5456. N.F.6. Krasnodar Territory. Received as var. *nigro-apiculata*. Cultivated. Seed.
439697. VIR 5458. N.F.8. Krasnodar Territory. Received as var. *nigro-apiculata*. Cultivated. Seed.
439698. VIR 5459. N.F.9. Krasnodar Territory. Received as var. *melanacra*. Cultivated. Seed.
439699. VIR 5460. N.F.10. Krasnodar Territory. Received as var. *italica*. Cultivated. Seed.
439700. VIR 5461. N.F.11. Krasnodar Territory. Received as var. *vulgaris*. Cultivated. Seed.
439701. VIR 5462. N.F.12. Krasnodar Territory. Received as var. *zeravschanica*. Cultivated. Seed.
439702. VIR 5463. N.F.13. Krasnodar Territory. Received as var. *suberythroceros*. Cultivated. Seed.
439703. VIR 5465. N.F.15. Krasnodar Territory. Received as var.

439613 TO 439736-continued

- suberythroceros. Cultivated. Seed.
439704. VIR 5467. N.F.17. Krasnodar Territory. Received as var. janthoceros. Cultivated. Seed.
439705. VIR 5518. N.F.68. Krasnodar Territory. Received as var. erythroceros. Cultivated. Seed.
439706. VIR 5519. N.F.69. Krasnodar Territory. Received as var. janthoceros. Cultivated. Seed.
439707. VIR 4674. N.136. Australia. Received as var. breviaristata. Cultivated. Seed.
439708. VIR 4807. Naruha. Japan. Received as var. italica. Cultivated. Seed.
439709. VIR 4898. Petritschki. Bulgaria. Received as var. caucasica. Cultivated. Seed.
439710. VIR 3684. Pioner 320. Uzbek SSR. Received as var. erythroceros. Cultivated. Seed.
439711. VIR 3661. Pirinae 69. Yugoslavia. Received as var. nero-vialonica. Cultivated. Seed.
439712. VIR 5251. Primorskij 10. Primorskaya Province. Received as var. subdichroa. Cultivated. Seed.
439713. VIR 4565. Razza 82. Italy. Received as var. breviaristata. Cultivated. Seed.
439714. VIR 4801. Rikuto-Norin Mochi. Japan. Received as var. alba. Cultivated. Seed.
439715. VIR 4922. Rikuto Norin 15. Japan. Received as var. erythroceros. Cultivated. Seed.
439716. VIR 4923. Rikuto Norin 18. Japan. Received as var. affinis. Cultivated. Seed.
439717. VIR 4513. Roma. Italy. Received as var. maldehica. Cultivated. Seed.
439718. VIR 4913. S.P.2. India. Received as var. tavnica. Cultivated. Seed.
439719. VIR 3268. Sadri. Azerbaijan SSR. Received as var. aristata. Cultivated. Seed.
439720. VIR 3780. Sadri Masallinskij. Azerbaijan SSR. Received as var. gilanica. Cultivated. Seed.

439613 TO 439736--continued

439721. VIR 5308. San Domenico. Italy. Received as var. nigro-
apiculata. Cultivated. Seed.
439722. VIR 3819. Santahezskij 52. Primorskaya Province.
Received as var. dichroa. Cultivated. Seed.
439723. VIR 4971. Senatore Novelli. Italy. Received as var.
mutica. Cultivated. Seed.
439724. VIR 5253. Severnyj. Primorskaya Province. Received as
var. italica. Cultivated. Seed.
439725. VIR 5299. Slavianskij. Bulgaria. Received as var.
italica. Cultivated. Seed.
439726. VIR 5293. Stirpe 348. Italy. Received as var. maldehica.
Cultivated. Seed.
439727. VIR 5290. Stirpe 689. Italy. Received as var. italica.
Cultivated. Seed.
439728. VIR 4907. Tuljapur (H390). India. Received as var.
mutica. Cultivated. Seed.
439729. VIR 5662. Tojonishiki. Japan. Received as var.
subvulgaris. Cultivated. Seed.
439730. VIR 3770. Uzbekskij 2. Uzbek SSR. Received as var.
vulgaris. Cultivated. Seed.
439731. VIR 3639. Uzros 269. Uzbek SSR. Received as var. italica.
Cultivated. Seed.
439732. VIR 3599. Uzros 275. Uzbek SSR. Received as var. italica.
Cultivated. Seed.
439733. VIR 3698. Uzros 421. Uzbek SSR. Received as var. italica.
Cultivated. Seed.
439734. VIR 3831. Uzros 2831. Uzbek SSR. Received as var.
italica. Cultivated. Seed.
439735. VIR 3663. Zeravsanika 2586-1. Ukrainian SSR. Received as
var. zeravschanica. Cultivated. Seed.
439736. VIR 3811. Zolotyje Vshody. Primorskaya Province.
Received as var. dichroa. Cultivated. Seed.

439737 TO 439741. Zea mays L. (Poaceae) Field corn.

From Thailand. Donated by B. L. Renfro, Rockefeller Foundation,

439737 TO 439741-continued

Bangkok. Received through M.R. Bonde, USDA Plant Disease Laboratory, Fredrick, Maryland.
Received January 1980.

- 439737. Philippine DMR Composite 4. Philippines. Highly resistant to downy mildew, *Peronosclerospora sorghi*. Cultivated. Seed.
- 439738. Early DMH Composite 2. Philippines. Highly resistant to downy mildew, *Peronosclerospora sorghi*. Cultivated. Seed.
- 439739. Thailand Composite 3(S)C4. Highly resistant to downy mildew, *Peronosclerospora sorghi*. Cultivated. Seed.
- 439740. Philippine DMR Composite 3. Philippines. Highly resistant to downy mildew, *Peronosclerospora sorghi*. Cultivated. Seed.
- 439741. Suwan No. 1 (S)C6. Excellent nearly pure breeding line. Popular in Southeast Asia. Highly resistant to downy mildew, *Peronosclerospora sorghi*. Cultivated. Seed.

439742 TO 439747. Cucumis melo L. (Cucurbitaceae) Muskmelon.

From Iran. Collected by Walter J. Kaiser, Regional Pulse Improvement Project, USDA, Tehran.
Received January 1980.

- 439742. Collected November 1971. Isfahan. Fruits green, oblong, up to several kilos weight. Flesh light green. Sweetness varies between fruits. Local name Kharbuze. Cultivated. Seed.
- 439743. Collected November 1971. Fruits light yellow, smaller than cantaloupe. Flesh white, not very sweet. Local name Evaniki. Cultivated. Seed.
- 439744. Collected November 1971. Fruits of similar size and texture to cantaloupe. Flesh greenish, usually sweet. Local name Talebi. Cultivated. Seed.
- 439745. Greece. Athens. Collected August 1967. Fruits of similar size and texture to cantaloupe. Flesh orange, sweet. Cultivated. Seed.
- 439746. Cyprus. Collected August 1967. Fruits of similar size and texture to cantaloupe. Flesh green, usually sweet. Cultivated. Seed.
- 439747. Cyprus. Collected August 1967. Fruits yellow, smooth, ridged, often larger than cantaloupe, similar to casaba. Flesh greenish yellow, usually very sweet. Keeps well

439742 TO 439747-continued
after harvest. Cultivated. Seed.

439748. *Cucurbita lundelliana* Bailey (Cucurbitaceae).

From Guatemala. Collected by O. W. Norvell, Stanford University, Palo Alto, California. Received through T.W. Whitaker, USDA, Imperial Valley Conservation Res. Cen., Brawley, Calif. Received December 1979.

G-22. Collected 1961. Peten Department. Seed.

439749. *Ipomoea batatas* (L.) Lam. (Convolvulaceae) Sweet potato.

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received February 1980.

W-C 2056. Collected January 23, 1979. Suma, Yucatan. Vine vigorous, purplish at tips. Tubers spindle-shaped or elongated. Skin white. Flesh white. Cultivated. Tubers.

439750. *Rosa banksiae* Ait. f. (Rosaceae).

From Mexico. Collected by H. F. Winters & R. L. Clark, USDA, Germplasm Resources Laboratory and North Central Regional Plant Introduction Station, Beltsville, Maryland and Ames, Iowa. Received February 1980.

W-C 2353. 'Lutea'. Collected February 12, 1979. Colonia de Cumbre on road Oaxaca to Guelatao de Juarez, Oaxaca. Shrub, climbing, to 4m tall. Stems slender, dark green, spineless. Flowers profuse, double, 3cm diam., pale yellow. Cultivated. Cuttings.

439751. *Citropsis noldeae* Exell & Mendona (Rutaceae).

From South Africa. Donated by Citrus and Subtropical Fruit Research Institute, Department of Agricultural Technical Services, Nelspruit. Received February 1980.

Angola. C. P. No. 406, Nova Lisboa. Instituto de Investigação Agronómica de Angola. Malangri, Quelo district, Lat. 9 deg. S, Long. 17 deg. 10'E. Cultivated. Seed.

439752 TO 439861. *Cicer arietinum* L. (Fabaceae) Chickpea.

From India. Donated by International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad-500 016, A.P.
Received November 1978.

- 439752. 43. P-36. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439753. 57. P-45. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439754. 104. P-82. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439755. 121. P-99. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439756. 182. P-149-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439757. 190. P-156. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439758. 202. P-165. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439759. 229. P-180-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439760. 250. P-199. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439761. 267. P-212-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439762. 338. P-253. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439763. 389. P-287. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439764. 391. P-289. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439765. 435. P-319-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439766. 460. P-345-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
- 439767. 499. P-336. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.

439752 TO 439861-continued

439768. 516. P-392. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439769. 519. P-394. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439770. 537. P-422. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439771. 554. P-436-2. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439772. 606. P-478. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439773. 658. P-517. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439774. 780. P-619-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439775. 788. P-623. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439776. 858. P-678. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439777. 860. P-681. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439778. 867. P-690. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439779. 959. P-759. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439780. 1097. P-966. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439781. 1294. P-1181-A. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439782. 1443. P-1265. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439783. 1450. P-1270. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439784. 1611. P-1353. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439785. 1749. P-1437. Tolerant or resistant to *Fusarium*

439752 TO 439861-continued

- oxysporum f. sp. ciceri. Cultivated. Seed.
439786. 1891. P-1514. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439787. 1909. P-1539-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439788. 1967. P-1590. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439789. 2072. P-1670. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439790. 2083. P-1679-2. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439791. 2086. P-1683. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439792. 2089. P-1684. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439793. 2104. P-1696-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439794. 2217. P-1786. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439795. 2267. P-1863. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439796. 2299. P-1954. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439797. 2321. P-1994. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439798. 2566. P-2559. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439799. 2660. P-2686-2. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439800. 2812. P-3036. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439801. 2835. P-3107-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439802. 2854. P-3154-2. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.

439752 TO 439861-continued

439803. 2860. P-3167. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439804. 2883. P-3251. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439805. 3099. P-3614. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439806. 3103. P-3617. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439807. 3356. P-4031. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439808. 3392. P-4079. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439809. 3396. P-4083. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439810. 3426. P-4102. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439811. 3439. P-4116-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439812. 3539. P-4237. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439813. 3684. P-4321-2. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439814. 4519. P-6067. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439815. 4552. P-6099. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439816. 4651. P-6244. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439817. 4716. P-6308. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439818. 4917. Ahmadabad 52. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439819. 4918. Annegiri. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439820. 4948. G-130. Tolerant or resistant to *Fusarium oxysporum*

439752 TO 439861-continued

- f. sp. ciceri. Cultivated. Seed.
439821. 4951. Susceptible (nursery check variety) to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439822. 4954. H-208. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439823. 4956. H-355. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439824. 4958. JGC-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439825. 4963. K-468. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439826. 4969. L-345. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439827. 4994. Radhey. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439828. 5003. 850-3/27. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439829. 5727. C-16-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439830. 5864. T-3(Gwalior). Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439831. 5901. T-3. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439832. 6081. JG-57. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439833. 6098. JG-74. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439834. 6462. NEC-472. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439835. 6671. NEC-790. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439836. 6679. NEC-802. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.
439837. 6743. NEC-900. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.

439752 TO 439861-continued

439838. 6761. NEC-920. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439839. 6786. NEC-951. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439840. 6880. NEC-1089. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439841. 7111. NEC-1470. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439842. 7248. NEC-1621. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439843. 7254. NEC-1627. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439844. 7526. 24-B. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439845. 7681. P-1179. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439846. 7777. NEC-1639. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439847. 8222. NEC-2383. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439848. 8250. NEC-2413. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439849. 8446. JH-466/DZ-10-4. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439850. 8933. WR-315. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439851. 8970. NEC-318. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439852. 9001. NEC-426. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439853. 9070. NEC-607. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439854. 9117. NEC-847. Tolerant or resistant to *Fusarium oxysporum* f. sp. *ciceri*. Cultivated. Seed.
439855. 10104. P-6131. Tolerant or resistant to *Fusarium*

439752 TO 439861-continued

oxysporum f. sp. ciceri. Cultivated. Seed.

439856. 10130. CPS-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.

439857. 10131. CPS-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.

439858. 10301. PRR-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.

439859. 10394. Coll. No. 129. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.

439860. 10894. PP-1. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.

439861. 11088. BG-212. Tolerant or resistant to *Fusarium oxysporum* f. sp. ciceri. Cultivated. Seed.

439862. *Camptotheca acuminata* Decne. (Nyssaceae).

From China, Peoples Repub of. Donated by Ying-jiang Huo, Forestry Research Institute of Guangdong Province, Saho, Guangzhou, Guangdong. Received February 1980.

Collected November 15, 1979. Hangzhou, Zhejiang Province. Seed.

439863. *Michelia macclurei* Dandy (Magnoliaceae).

From China, Peoples Repub of. Donated by Ying-jiang Huo, Forestry Research Institute of Guangdong Province, Saho, Guangzhou, Guangdong. Received February 1980.

Collected October 28, 1979. Guangzhou, Guangdong Province. Seed.

439864. *Phoebe sheareri* (Hemsl.) Gamble (Lauraceae).

From China, Peoples Repub of. Donated by Ying-jiang Huo, Forestry Research Institute of Guangdong Province, Saho, Guangzhou, Guangdong. Received February 1980.

Collected November 15, 1979. Hangzhou, Zhejiang Province. Seed.

439865. *Phoebe* sp. (Lauraceae).

From China, Peoples Repub of. Donated by Ying-jiang Huo, Forestry

439865-continued

Research Institute of Guangdong Province, Saho, Guangzhou, Guangdong.
Received February 1980.

Collected November 15, 1979. Hangzhou, Zhejiang Province.
Received as *P. chechiangensis*. Seed.

439866. *Pinus khasya* Royle ex Gordon (Pinaceae).

From China, Peoples Repub of. Donated by Ying-jiang Huo, Forestry
Research Institute of Guangdong Province, Saho, Guangzhou, Guangdong.
Received February 1980.

Collected October 1979. Southern mountains, Yunnan
Province. 2000m. Seed.

439867. *Sapium sebiferum* (L.) Roxb. (Euphorbiaceae) Tallow-tree.

From China, Peoples Repub of. Donated by Ying-jiang Huo, Forestry
Research Institute of Guangdong Province, Saho, Guangzhou, Guangdong.
Received February 1980.

Collected November 15, 1979. Hangzhou, Zhejiang Province.
Seed.

439868. *Schinus* sp. (Anacardiaceae).

From China, Peoples Repub of. Donated by Ying-jiang Huo, Forestry
Research Institute of Guangdong Province, Saho, Guangzhou, Guangdong.
Received February 1980.

Collected October 1979. Northwest Guangxi Province.
Received as *S. argentea*. Seed.

439869. *Toxicodendron vernicifluum* (Stokes) Barkley (Anacardiaceae).

From China, Peoples Repub of. Donated by Ying-jiang Huo, Forestry
Research Institute of Guangdong Province, Saho, Guangzhou, Guangdong.
Received February 1980.

Collected October 1979. Northwest Guangxi Province.
Received as *Rhus verniciflua*. Seed.

439870 TO 439875. *Oryza sativa* L. (Poaceae) Rice.

From Japan. Donated by National Institute of Genetics, Misima,
Sizuoka-ken 411.
Received March 1980.

439870 TO 439875-continued

439870. 113905-010035. Hayayuki. Early-Maturing. Cultivated. Seed.
439871. 113905-010037. Houryuu. Early-Maturing. Cultivated. Seed.
439872. 113905-010041. Nan ei. Early-Maturing. Cultivated. Seed.
439873. 113905-010040. Shin ei. Early-Maturing. Cultivated. Seed.
439874. 113905-020861. Somewake. Early-Maturing. Cultivated. Seed.
439875. 113905-920980. Teru ju. Early-Maturing. Cultivated. Seed.

439876 TO 439879. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Malaysia. Donated by H. L. Hamat, Field Crops Branch, Malaysian Agricultural Research and Development Institute, Serdang, Selangor.
Received June 1979.

439876. Matjam. Cultivated. Seed.
439877. Medan. Cultivated. Seed.
439878. Menglembu. Cultivated. Seed.
439879. V 13. Cultivated. Seed.

439880. *Bouteloua gracilis* (Willd. ex H.B.K.) Lag. ex Griffiths (Poaceae) Blue grama.

From United States. Donated by Los Lunas Plant Materials Center, USDA Soil Conservation Service, Los Lunas, New Mexico.
Received March 1980.

NM 118. 'Hachita'. Collected 1957. South 51.5km of Hachita Mountain, Southern New Mexico. 2734m. Most drought tolerant of accessions tested in 1958. Cultivated. Seed.

439881. *Acer ginnala* Maxim. (Aceraceae).

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-1852. Soviet Union. Dendrology Park, Shorthandy

439881-continued

Institute. Collected August 11, 1977. Originally from Far East. Plants small. Tree. Cultivated. Seed.

439882. *Acer ginnala* var. *semenovii* (Regel & Herd.) Pax (Aceraceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2142. Collected August 25, 1977. NW 25km of Victory Collective Farm Headquarters, 75km east of Chinkent. Single plant growing in dry ravine. Plant small, shrubby. Tree. Wild. Seed.

439883 TO 439884. *Acer* sp. (Aceraceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

439883. D-1923. Collected August 14, 1977. Between Alma Ata and Medeo. 1400m. Single plant, medium-sized. Tree. Wild. Seed.

439884. D-1950. Collected August 15, 1977. On Mt. Kok-Tube, on the outskirts of Alma Ata. 1180m. Tree. Wild. Seed.

439885 TO 439887. *Achillea micrantha* Willd. (Asteraceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

439885. P-139. Collected July 29, 1977. Victory Collective Farm, 186km southeast of Stavropol. 270m. Plants to 16cm tall. Flowers yellow. Wild. Seed.

439886. P-144. Collected July 29, 1977. Victory Collective Farm, 186km southeast of Stavropol. 270m. Plants to 20cm tall. Flowers yellow. Wild. Seed.

439887. P-184. Collected August 01, 1977. Southeast 120km of Stavropol near village, Gofitskoye. Plants to 26cm tall. Flowers yellow. Wild. Seed.

439888 TO 439896. *Achillea millefolium* L. (Asteraceae) Yarrow.

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

439888. P-114. Collected July 28, 1977. Sandy area, Beshpagin. 400m. Plants 15cm tall, rapid spreader. Wild. Seed.
439889. P-125. Collected July 28, 1977. Beshpagin, 40km south of Stavropol. 400m. Plants to 24cm tall. Wild. Seed.
439890. P-137. Collected July 29, 1977. Victory Collective Farm, 85km southeast of Stavropol. 270m. Growth spreads into disturbed areas. Plants to 15cm tall. Wild. Seed.
439891. P-159. Collected July 30, 1977. Mt. Nedryemanya, 48km south of Stavropol. 510m. Plants to 30cm tall, good spreader. Wild. Seed.
439892. P-172. Collected July 31, 1977. Two km from Shpakovskoye Village on Stavropol Institute Farm. 300m. Growing in a natural meadow in the shade. Plants to 40cm tall. Wild. Seed.
439893. P-173. Collected July 31, 1977. Two km from Shpakovskoye Village on Stavropol Institute Farm. 300m. Growing in grazed natural area. Plants to 30cm tall. Flowers white. Wild. Seed.
439894. D-2094. Collected August 22, 1977. Along highway, boundary between Dzhabul and Chikent Oblasts. 1200m. Plants to 50cm tall. Wild. Seed.
439895. D-2105. Collected August 23, 1977. Sverdlov Collective Farm, about 30km east of Chikent. 600m. Growing in a grove of trees. Plants to 50cm tall. Flowers rose-colored. Wild. Seed.
439896. D-2134. Collected August 24, 1977. NE 15km of Victory Collective Farm, 75km east of Chikent toward Dzhabul. Growing in a dry ravine. Plants to 75cm tall. Flowers white. Wild. Seed.

439897. *Achillea nobilis* L. (Asteraceae).

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

- P-171. Collected July 31, 1977. Two km from Shpakovskoye

439897-continued

Village on Stavropol Institute Farm. Growing in a native meadow. Plants to 30cm tall. Basal leaves many. Wild. Seed.

439898 TO 439899. *Achillea* sp. (Asteraceae).

From Soviet Union. Collected by D.E. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

439898. D-1761. Collected August 08, 1977. Seiphulin Collective Farm, 25km north of Tselinograd. Plants to 25cm tall, not grazed by cattle. Wild. Seed.

439899. D-1795. Collected August 09, 1977. Collective farm, "18 Years of Kazakhstan", about 40km west of Shorthandy. Growing in ravine near farm headquarters. Stems to 30cm tall. Flowers white. Wild. Seed.

439900 TO 439902. *Aeluropus repens* (Desf.) Parl. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

439900, D-1977. Collected August 17, 1977. Two km south of Trudovoi Pajari Collective Farm Village. Dry hillside. Plants to 25cm tall. Rhizomes. Salt tolerant. Wild. Seed.

439901. D-2007. Collected August 17, 1977. E 20km of Trudovoi Pajari Collective Farm, 55km NE of Dzhambul. Dry, saline, heavily grazed area. Plants to 20cm tall. Wild. Seed.

439902, D-2072. Collected August 21, 1977. Adjacent to Lake Komenoye, 25-30km SE of Dzhambul. Saline area. Plants to 25cm tall. Rhizomes strong. Wild. Seed.

439903 TO 439904. *Agrimonia eupatoria* L. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

439903. P-73. Collected July 25, 1977. Plain by Zgarlik River. Plants to 20cm tall, good spreader. Wild. Seed.

439904. P-167. Collected July 1977. Mt. Nedryemanya, 48km from

439903 TO 439904-continued

Stavropol. 510m. Plants to 30cm tall. Reputed medicinal value. Wild. Seed.

439905 TO 439908. *Agropyron caninum* (L.) Beauv. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

439905. D-1880. Collected August 14, 1977. South 15km of Alma Ata near the Medeo ice-skating arena. 1680m. Growing on steep, ungrazed hillsides. Plants to 1.2m tall. Awns to 2cm long. Wild. Seed.

439906. D-1887. Collected August 14, 1977. South 15km of Alma Ata near the Medeo ice-skating arena. 1700m. Growing on steep, ungrazed hillsides in the shade. Culms to 2m long. Spikes arched. Awns to 2cm long. Wild. Seed.

439907. D-1920. Collected August 14, 1977. Between Alma Ata and Medeo. 1400m. Single plant 1.5m tall. Awned. Wild. Seed.

439908. D-1925. Collected August 14, 1977. Between Alma Ata and Medeo. 1530m. Plants to 1.2m tall. Awned. Wild. Seed.

439909 TO 439950. *Agropyron cristatum* (L.) Gaertn. (Poaceae) Fairway crested wheatgrass.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

439909. P-99b. Collected July 26, 1977. Sheep and goat ranch, Yankulskiy area, 56km southeast of Stavropol. 400m. Includes P-99 and P-100. Plants to 28cm tall. Some appear to be rhizomatous. Wild. Seed.

439910. P-178. Collected August 01, 1977. Lenin Farm, 9km southeast of Stavropol. Plants to 28cm tall. Wild. Seed.

439911. D-1301. Collected July 21, 1977. Stavropol Botanical Garden. 630m. Originally from Novorossyisk near Black Sea. Spikes pubescent. Cultivated. Seed.

439912. D-1318. Collected July 21, 1977. Chur Village of the Turkmenian region of Stavropol Kray. Donated by D.S. Dsibov. Wild. Seed.

439913. D-1350. Collected July 25, 1977. South 19km of Stavropol

439909 TO 439950-continued

- Botanical Garden on road to Mt. Strizhament. 350m. Grows on river bottom. Grazed. Wild. Seed.
439914. D-1403. 'Zernogradskii-1'. Soviet Union. Sheep & Goat Institute, Stavropol. Collected July 26, 1977. Cultivated. Seed.
439915. D-1404. 'Rostov-10'. Soviet Union. Sheep & Goat Institute, Stavropol. Collected July 26, 1977. Cultivated. Seed.
439916. D-1440. Collected July 26, 1977. Novomarjevskaya, 7 to 8km west of Stavropol. 550m. Transplanted in sod to Botanical Gardens. Awns very short. Wild. Seed.
439917. D-1441b. Collected July 26, 1977. Sheep & Goat Institute, Yankulskaya area, 52km SE of Stavropol. 400-430m. Includes D-1444, -1450, -1451 and -1455. Spikes coarse, large. Awns short. Wild. Seed.
439918. D-1443b. Collected July 26, 1977. Sheep & Goat Institute, Yankulskaya area, 52km SE of Stavropol. 400-430m. Includes D-1453. Spikes grayish. Chaff bronze. Wild. Seed.
439919. D-1445b. Collected July 26, 1977. Sheep & Goat Institute, Yankulskaya area, 52km SE of Stavropol. 400-430m. Includes D-1447, -1456 and -1461. Plants large, to 80cm tall. Leaves dark green. Awns fine. Wild. Seed.
439920. D-1452. Collected July 26, 1977. Sheep & Goat Institute, Yankulskaya area, 52km SE of Stavropol. 400-430m. Spikes whitish. Wild. Seed.
439921. D-1454. Collected July 26, 1977. Sheep & Goat Institute, Yankulskaya area, 52km SE of Stavropol. 400-430m. Spikes long. Very fertile. Wild. Seed.
439922. D-1462. Collected July 26, 1977. Sheep & Goat Institute, Yankulskaya area, 52km SE of Stavropol. 400-430m. Large bulk sample from the entire collecting area. Wild. Seed.
439923. D-1465. Collected July 27, 1977. Division 3 of Sheep & Goat Institute Farm, 40km east of Stavropol. 600m. Growing in shallow soil on rocky plateau. Population sparse. Wild. Seed.
439924. D-1470. Collected July 27, 1977. Division 1 of Sheep & Goat Institute Farm, about 44km east of Stavropol. 500m. Possibly a mixture of diploids and tetraploids. Wild. Seed.
439925. D-1584. Collected July 30, 1977. Mt. Nedryemanya, 30km

439909 TO 439950-continued

- south of Stavropol. 500m. Population very sparse. Wild. Seed.
439926. D-1610. 'Krasnokovskii 305'. Collected July 31, 1977. Two km from Shpakovskoye Village on a Stavropol Agric. Institute Farm. 300-350m. Planted along the dike of a pond. Cultivated. Seed.
439927. D-1616. Collected August 01, 1977. Lenin Collective Farm, 90km E of Stavropol, 14km NW of Svetlograd. 300m. Spikes usually pubescent. Wild. Seed.
439928. D-1622. Collected August 01, 1977. Roadside, southeast 35km of Svetlograd. Rare in this area. Spikes broad. Awns broad. Wild. Seed.
439929. D-1654. Collected August 02, 1977. Oreokova Village, about 50km southeast of Svetlograd. 300m. Possibly a seeded stand. Wild. Seed.
439930. D-1686. Collected August 03, 1977. Downtown Pyatagorsk on ungrazed plot near gas station. 500m. Wild. Seed.
439931. D-1728. Collected August 07, 1977. Roadside, Tselinograd. May have been seeded. Spikes broad. Awned. Cultivated. Seed.
439932. D-1742. Collected August 08, 1977. Roadside, 32km north of Tselinograd. Probably seeded. Spikes broad. Cultivated. Seed.
439933. D-1748. Collected August 08, 1977. Northeast outskirts of Tselinograd. Probably seeded. Spikes broad. Cultivated. Seed.
439934. D-1756. Collected August 08, 1977. Seiphulin Collective Farm, about 20km north of Tselinograd. Site very dry, saline. Plants small, less than 30cm. Wild. Seed.
439935. D-1766. Collected August 08, 1977. Baratskaya ravine on Seiphulin Collective Farm, 50km N of Tselinograd. Possibly seeded. Wild. Seed.
439936. D-1801. Collected August 10, 1977. Shorthandy Institute of Grain Production, 55km north of Tselinograd. 350m. Growing near the railroad track. Wild. Seed.
439937. D-1826. Collected August 10, 1977. Roadside, 25km southeast of Shorthandy. Seeded. Spikes broad. Cultivated. Seed.
439938. D-1840. Collected August 11, 1977. Shorthandy Dendrology Park. Spikes broad, awned. Wild. Seed.

439909 TO 439950-continued

439939. D-1858. Collected August 12, 1977. Alma Ata, in Gorky Amusement Park. 800m. Growing among waste areas and under trees. Spikes broad. Wild. Seed.
439940. D-1873. Collected August 13, 1977. Alma Ata Botanical Garden. 920m. Spikes broad. Wild. Seed.
439941. D-1939. Collected August 15, 1977. Mt. Kok-Tube, on the outskirts of Alma Ata. 1180m. Wild. Seed.
439942. D-1940. Collected August 15, 1977. Mt. Kok-Tube, on the outskirts of Alma Ata. 1180m. Lemmas pubescent. Wild. Seed.
439943. D-1955. Collected August 15, 1977. Mt. Kok-Tube, on the outskirts of Alma Ata. 1050m. Wild. Seed.
439944. D-2051. Collected August 19, 1977. Dzhabul, near Taraz Hotel. Spikes wide. Wild. Seed.
439945. D-2083. Collected August 22, 1977. About 40km from Dzhabul toward Chinkent. 920m. Growing on a dry hillside in a single colony. Plants very coarse. Diploid chromosome number 42. Wild. Seed.
439946. D-2154. Collected August 25, 1977. NW 35km of Victory Collective Farm Hdq., 75km E of Chinkent. Spikes large and coarse. Awns long. Possibly hexaploid. Wild. Seed.
439947. D-2161b. Collected August 25, 1977. NW 45km of Victory Collective Farm Hdq., 75km E of Chinkent. 1000m. Includes D-2173, -2174, -2177 and -2180. Spikes broad, coarse. Awns long. Lemmas pubescent. Possibly hexaploid. Wild. Seed.
439948. D-2192. Collected August 26, 1977. Mountains 25km southeast of Victory Collective Farm Headquarters. 1400m. Growing on slope with heavy vegetation. Spikes coarse. Lemmas occasionally pubescent. Wild. Seed.
439949. D-2193. Collected August 26, 1977. Mountains 25km southeast of Victory Collective Farm Headquarters. 1400m. Growing on barren, rocky slope. Spikes coarse. Wild. Seed.
439950. D-2202. Collected August 26, 1977. Mountains 25km southeast of Victory Collective Farm Headquarters. 1400m. Growing on a moist slope. Spikes broad, coarse. Wild. Seed.

439951 TO 439983. *Agropyron desertorum* (Fisch. ex Link) Schult.

439951 TO 439983-continued

(Poaceae) Standard crested wheatgrass.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

439951. P-111. Collected July 28, 1977. Upland sands, Beshpagin, 64km southeast of Stavropol. 400m. Plants to 30cm tall. Wild. Seed.
439952. P-134. Collected July 28, 1977. Upland sands, Beshpagin, 64km southeast of Stavropol. 400m. Plants to 50cm tall. Wild. Seed.
439953. D-1319. Collected July 21, 1977. Levokumskoye Village, eastern part of Stavropol Kray. Obtained from D.S. Dsitov. Conditions very dry. Wild. Seed.
439954. D-1491b. Collected July 28, 1977. Beshpagin hills, about 50km east of Stavropol. 400m. Includes D-1493, -1503, -1504, -1505, -1506, -1507 and -1509. Soviet collectors identify this population as *A. sibiricum*. Plants large, to 1 m tall. Spikes broad. Awns short or absent. Wild. Seed.
439955. D-1492b. Collected July 28, 1977. Beshpagin hills, about 50km east of Stavropol. 400m. Includes D-1498, -1500, -1517, -1518, -1520 and -1524. Plants tall. Spikes long and narrow. Wild. Seed.
439956. D-1494b. Collected July 28, 1977. Beshpagin hills, about 50km east of Stavropol. 400m. Includes D-1495, -1496, -1501, -1502, -1521 and -1523. Spikes short, small, and narrow. Short rhizomes possibly present. Wild. Seed.
439957. D-1497b. Collected July 28, 1977. Beshpagin hills, about 50km east of Stavropol. 400m. Includes D-1510 and -1522. Morphology similar to *A. sibiricum*, with all intergrades between typical *A. sibiricum* and *A. desertorum* occurring. Spikes narrow. Awns short. Wild. Seed.
439958. D-1499b. Collected July 28, 1977. Beshpagin hills, about 50km east of Stavropol. 400m. Includes D-1508. Spikes small, pigmented, pubescent. Awnless. Wild. Seed.
439959. D-1511b. Collected July 28, 1977. Beshpagin hills, about 50km east of Stavropol. 400m. Includes D-1512. Spikes small. Wild. Seed.
439960. D-1513. Collected July 28, 1977. Beshpagin hills, about 50km east of Stavropol. 400m. Plants late-maturing. Wild. Seed.

439951 TO 439983-continued

439961. D-1514. Collected July 28, 1977. Beshpagin hills, about 50km east of Stavropol. 400m. Plants resemble *A. sibiricum*. Wild. Seed.
439962. D-1515. Collected July 28, 1977. Beshpagin hills, about 50km east of Stavropol. 400m. Plants very fertile. Wild. Seed.
439963. D-1516. Collected July 28, 1977. Beshpagin hills, about 50km east of Stavropol. 400m. Plants similar to *A. sclerophyllum*. Leaves narrow, pointed. Wild. Seed.
439964. D-1525. Collected July 28, 1977. Beshpagin hills, about 50km east of Stavropol. 400m. Wild. Seed.
439965. D-1526b. Collected July 28, 1977. Beshpagin area. Includes D-1529 and -1530. Growing in rocky, shallow soil. Plants large, closely resemble *A. sibiricum*. Wild. Seed.
439966. D-1528. Collected July 28, 1977. Beshpagin area. Plants large. Wild. Seed.
439967. D-1533b. Collected July 28, 1977. Rocky, peak area of Beshpagin hills. Includes D-1534 and -1535. Plants large, to 1 m tall. Spikes long. Wild. Seed.
439968. D-1536. Collected July 28, 1977. Rocky, peak area of Beshpagin hills. Plants large, closely resemble *A. sibiricum*. Wild. Seed.
439969. D-1537. Collected July 29, 1977. Victory Collective Farm, near Svetlograd. 250m. Sandy, rocky soil. Wild. Seed.
439970. D-1538. Collected July 29, 1977. Victory Collective Farm, near Svetlograd. 250m. Rocky hillside. Plants frequently resemble *A. sibiricum*. Wild. Seed.
439971. D-1539. Collected July 29, 1977. Victory Collective Farm, near Svetlograd. 250m. Along a railroad right-of-way. Wild. Seed.
439972. D-1540. Collected July 29, 1977. Victory Collective Farm, near Svetlograd. 250m. Sandy hillside. Wild. Seed.
439973. D-1541. Collected July 29, 1977. Victory Collective Farm, near Svetlograd. 250m. Growing in deep sand dunes. Wild. Seed.
439974. D-1542. Collected July 29, 1977. Victory Collective Farm, near Svetlograd. 250m. Heavy competition with *Artemisia* and other plants. Wild. Seed.

439951 TO 439983-continued

- 439975.** D-1543b. Collected July 29, 1977. Victory Collective Farm, near Svetlograd. 250m. Includes D-1545, -1546 and -1549. Plants large, erect, to 1 m tall. Spikes narrow, awnless. Culms short. Resembles *A. sibiricum*. Wild. Seed.
- 439976.** D-1544b. Collected July 29, 1977. Victory Collective Farm, near Svetlograd. 250m. Includes D-1548, -1550, -1554 and -1555. Plants large, coarse, to 1 m tall. Spikes long, broad, coarse. Wild. Seed.
- 439977.** D-1547b. Collected July 29, 1977. Victory Collective Farm, near Svetlograd. 250m. Includes D-1552 and -1553. Stems fine. Spikes reddish. Short rhizomes possibly present. Resembles *A. sibiricum*. Wild. Seed.
- 439978.** D-1551. Collected July 29, 1977. Victory Collective Farm, near Svetlograd. 250m. Plants late-maturing. Spikes small, narrow. Wild. Seed.
- 439979.** D-1661. Collected August 02, 1977. E entrance to Yankulskaya Valley on road from Oreokova to Kalantal Village. 430m. Rocky, steep slope. Wild. Seed.
- 439980.** D-1662. Collected August 02, 1977. E entrance to Yankulskaya Valley on road from Oreokova to Kalantal Village. 430m. Spikes very small. Short rhizomes possibly present. Wild. Seed.
- 439981.** D-1663b. Collected August 02, 1977. E entrance to Yankulskaya Valley on road from Oreokova to Kalantal Village. 430m. Includes D-1664. Spikes long, narrow. Awns short. Culms erect. Wild. Seed.
- 439982.** D-1665. Collected August 02, 1977. E entrance to Yankulskaya Valley on road from Oreokova to Kalantal Village. 430m. Spikes large. Awns moderately long. Wild. Seed.
- 439983.** D-1666. Collected August 02, 1977. E entrance to Yankulskaya Valley on road from Oreokova to Kalantal Village. 430m. Awns long. Wild. Seed.

439984 TO 439998. *Agropyron elongatiforme* Drobov (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

- 439984.** D-1349. Collected July 25, 1977. Road to Mt. Strizhament, 12km south of Stavropol Botanical Garden.

439984 TO 439998-continued

- 450m. Growing on a dry hillside. May be *A. repens*. Wild. Seed.
439985. D-1353. Collected July 25, 1977. Division 5 of Sheep & Goat Institute. May be *A. repens*. Wild. Seed.
439986. D-1424. Collected July 26, 1977. Sheep & Goat Institute Farm, 52km SE of Stavropol. 500-600m. Growing on virgin steppe. Spikes yellowish. Rhizomes strong. Wild. Seed.
439987. D-1425. Collected July 26, 1977. Sheep & Goat Institute Farm, 52km SE of Stavropol. 500-600m. Spikelets distinct. Rhizomes strong. Wild. Seed.
439988. D-1426b. Collected July 26, 1977. Sheep & Goat Institute Farm, 52km SE of Stavropol. 500-600m. Includes D-1427. Spikes small, purplish. Rhizomes strong. Wild. Seed.
439989. D-1428. Collected July 26, 1977. Sheep & Goat Institute Farm, 52km SE of Stavropol. 500-600m. Wild. Seed.
439990. D-1438. Collected July 26, 1977. Yankulskaya area of Sheep & Goat Institute, 52km SE of Stavropol. 400-430m. Growing in ravines. Wild. Seed.
439991. D-1485. Collected July 28, 1977. Beshpagin hills, 50km east of Stavropol. 400m. Site very sandy, dominated by *Bothriochloa ischaemum*. Spikelets strongly recurved. Wild. Seed.
439992. D-1558. Collected July 29, 1977. Victory Collective Farm, near Svetlograd. 250m. Wild. Seed.
439993. D-1615. Collected August 01, 1977. Lenin Collective Farm, 90km E of Stavropol, 14km NW of Svetlograd. 300m. Spikelets curved inward. Wild. Seed.
439994. D-1633. Collected August 02, 1977. Gofitskoye woods, 40km southeast of Svetlograd. 300m. Spikelets recurved. Wild. Seed.
439995. D-1634. Collected August 02, 1977. Gofitskoye woods, 40km southeast of Svetlograd. 300m. Leaves wide. Culms to 2m. Spikes and awns large. Wild. Seed.
439996. D-1667. Collected August 02, 1977. Gofitskoye woods, 40km southeast of Svetlograd. 300m. Spikelets closely imbricated. Wild. Seed.
439997. D-1668. Collected August 02, 1977. Gofitskoye woods, 40km southeast of Svetlograd. 300m. Leaves broad, dark green. Spikes long, arched. Spikelets sometimes double. Wild. Seed.

439984 TO 439998-continued

439998. D-2108. Collected August 24, 1977. Victory Collective Farm, 75km E of Chinkent toward Dzhambul. Orchard area. Plants grow to 1.5m tall. Wild. Seed.

439999. *Agropyron fibrosum* (Schrenk) Nevski (Poaceae).

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1304. Collected July 21, 1977. Stavropol Botanical Garden. Originally from Hungary. Spikes droop. Cultivated. Seed.

440000. *Agropyron gracillimum* Nevski (Poaceae).

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1303. Collected July 21, 1977. Stavropol Botanical Garden. Originally from Cherkessiya Oblast, Stavropol Krai. May be *A. stipifolium*. Cultivated. Seed.

440001 TO 440026. *Agropyron intermedium* (Host) Beauv. (Poaceae)
Intermediate wheatgrass.

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440001. D-1321. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. Transplanted from meadow steppes at Karachaevo-Cherkessiya near Stavropol. 610m. Wild. Seed.

440002. D-1325. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. Transplanted from Ispravnyaya Village at Karachaevo-Cherkessiya. 1000m. Wild. Seed.

440003. D-1381b. Collected July 25, 1977. Mt. Strizhament plateau, 40km south of Stavropol. 800m. Includes D-1383, -1386, -1387, -1390 and -1391. Open meadow at top of mountain. Spikes green, erect. Wild. Seed.

440004. D-1405. 'Rostov-31'. Soviet Union. Stavropol Sheep &

440001 TO 440026-continued

- Goat Institute. Collected July 26, 1977. Cultivated. Seed.
440005. D-1406. 'Stavropol-10'. Soviet Union. Stavropol Sheep & Goat Institute. Collected July 26, 1977. Presented as *A. elongatum*. Cultivated. Seed.
440006. D-1429. Collected July 26, 1977. Sheep & Goat Institute Farm, 52km southeast of Stavropol. 500-600m. Virgin steppe of rolling hillsides with a rich mixture of grasses and legumes. Plants taller than other collections. Wild. Seed.
440007. D-1430b. Collected July 26, 1977. Sheep & Goat Institute Farm, 52km southeast of Stavropol. 500-600m. Includes D-1431, -1432, -1433 and P-91. Leaves fine. Spikes long, narrow, erect, light green. Spikelets distant. Wild. Seed.
440008. D-1437. Collected July 26, 1977. Yankul'skaya area of Sheep & Goat Institute, 52km SE of Stavropol. 400-430m. Plants small, glaucous. Wild. Seed.
440009. D-1463. Collected July 27, 1977. Division 3 of Sheep & Goat Institute Farm, 40km E of Stavropol. 600m. Shallow soil on rocky plateau. Wild. Seed.
440010. D-1486. Collected July 28, 1977. Beshpagin hills, about 50km east of Stavropol. 400m. Very sandy site, dominated by *Bothriochloa ischaemum*. Plants large, robust. Wild. Seed.
440011. D-1556b. Collected July 29, 1977. Victory Collective Farm near Svetlograd. 250m. Includes D-1557. Sandy-rocky soil. Stems and leaves blue. Wild. Seed.
440012. D-1587b. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Includes D-1588, -1589, -1590 and -1591. Leaves small, narrow, dark green. Spikes long, narrow, lax, purplish. Wild. Seed.
440013. D-1597. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Wild. Seed.
440014. D-1623. Collected August 01, 1977. Roadside, 35km southeast of Svetlograd near Gofitskoye Village. Single colony, very fertile, perhaps self-fertile. Wild. Seed.
440015. D-1630. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Clearings and around periphery of woods. Probably seeded with the cultivar 'Rostov-31'. Cultivated. Seed.
440016. D-1631. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Natural stands. Wild.

440001 TO 440026-continued
Seed.

440017. D-1656. Collected August 02, 1977. Oreokova Village, about 50km southeast of Svetlograd. 300m. Spikes small, reddish. Wild. Seed.
440018. D-1657. Collected August 02, 1977. Oreokova Village, about 50km southeast of Svetlograd. 300m. Wild. Seed.
440019. D-1669. Collected August 02, 1977. E entrance to Yankulskaya Valley, road from Oreokova to Kalantal Village. 430m. Wild. Seed.
440020. D-1670. Collected August 02, 1977. E entrance to Yankulskaya Valley, road from Oreokova to Kalantal Village. 430m. Bunch type. Leaves dark green. Wild. Seed.
440021. D-2041. Collected August 19, 1977. Low mountains, 35km southeast of Dzhabul. 1050m. Dry slopes. Wild. Seed.
440022. D-2075. Collected August 22, 1977. Low mountains, 35km southeast of Dzhabul toward Chinkent. 900m. Pubescent form most common. Wild. Seed.
440023. D-2086. Collected August 22, 1977. Roadside, boundary between Dzhabul and Chinkent Oblasts. 1200m. Spikelets large. Wild. Seed.
440024. D-2100. Collected August 23, 1977. Sverdlov Collective Farm, about 30km east of Chinkent. 600m. Dry, heavily grazed hillside. Wild. Seed.
440025. D-2109. Collected August 24, 1977. Victory Collective Farm, 75km east of Chinkent toward Dzhabul. Wild. Seed.
440026. D-2111. Collected August 24, 1977. Victory Collective Farm, 75km east of Chinkent toward Dzhabul. Open hillside. Wild. Seed.

440027 TO 440057. *Agropyron intermedium* var. *trichophorum* (Link) Halac.
(Poaceae) Pubescent wheatgrass.

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440027. D-1394b. Collected July 25, 1977. Mt. Strizhament plateau about 40km south of Stavropol. 800m. Includes E-1397. Open meadow at top of mountain. Wild. Seed.
440028. D-1434b. Collected July 26, 1977. Sheep & Goat Institute

440027 TO 440057-continued

- Farm about 52km southeast of Stavropol. 500-600m.
Includes D-1435. Virgin steppe, among rich mixture of
grasses and legumes. Leaves blue-green. Spikes moderately
to densely pubescent. Wild. Seed.
- 440029.** D-1464. Collected July 27, 1977. Division 3 of Sheep &
Goat Institute Farm, 40km east of Stavropol. 600m.
Shallow soil on rocky plateau. Wild. Seed.
- 440030.** D-1469. Collected July 27, 1977. Division 1 of Sheep &
Goat Institute Farm, 44km east of Stavropol. 500m. Wild.
Seed.
- 440031.** D-1488b. Collected July 28, 1977. Beshpagin hills, about
50km east of Stavropol. 400m. Includes D-1489. Site very
sandy. Wild. Seed.
- 440032.** D-1592b. Collected July 30, 1977. Mt. Nedryemanya, 30km
south of Stavropol. 500m. Includes D-1593, -1594 and -
1595. Fertility good. Wild. Seed.
- 440033.** D-1632. Collected August 02, 1977. Gofitskoye Woods,
40km southeast of Svetlograd. 300m. Wild. Seed.
- 440034.** D-1658. Collected August 02, 1977. Oreokova Village,
about 50km southeast of Svetlograd. 300m. Wild. Seed.
- 440035.** D-1671. Collected August 02, 1977. E entrance to
Yankulskaya Valley, road from Oreokova to Kalantal
Village. 430m. Rocky, steep slope. Wild. Seed.
- 440036.** D-2011. Collected August 18, 1977. Mouin-Kum Sands, 50km
E of Dzhambul, 5km N to dunes. Site very dry. Plants to
60cm tall. Plants mostly pubescent. Wild. Seed.
- 440037.** D-2042. Collected August 19, 1977. Dry slopes of low
mountains, 35km southeast of Dzhambul. 1050m. Spikes
densely pubescent, more common than glabrous forms. Wild.
Seed.
- 440038.** D-2045. Collected August 19, 1977. Young Pioneer Camp
about 40km southeast of Dzhambul in low mountains. 1080m.
Dry rocky hills. Plants all pubescent. Wild. Seed.
- 440039.** D-2076. Collected August 22, 1977. About 35km from
Dzhambul toward Chinkent in low mountains. 900m.
Pubescence varies from dense to light. Wild. Seed.
- 440040.** D-2084. Collected August 22, 1977. About 40km toward
Chinkent from Dzhambul. 920m. Dry hillside. Plants
generally densely pubescent, no glabrous forms. Wild.
Seed.

440027 TO 440057-continued

440041. D-2087. Collected August 22, 1977. Roadside, boundary between Dzhabul and Chinkent Oblasts. 1200m. Plants densely pubescent, fertile. Wild. Seed.
440042. D-2088. Collected August 22, 1977. Roadside, boundary between Dzhabul and Chinkent Oblasts. 1200m. Plants densely pubescent, moderately rhizomatous. Wild. Seed.
440043. D-2089. Collected August 22, 1977. Roadside, boundary between Dzhabul and Chinkent Oblasts. 1200m. Plants lightly pubescent. Culms robust, to 1.2m. Wild. Seed.
440044. D-2090. Collected August 22, 1977. Roadside, boundary between Dzhabul and Chinkent Oblasts. 1200m. Wild. Seed.
440045. D-2098. Collected August 22, 1977. Toward Dzhabul, 40km east of Chinkent. 680m. Plants usually pubescent, some glabrous. Wild. Seed.
440046. D-2101. Collected August 23, 1977. Sverdlov Collective Farm, about 30km east of Chinkent. 600m. Dry, heavily grazed hills. Wild. Seed.
440047. D-2110. Collected August 24, 1977. Victory Collective Farm, 75km east of Chinkent, then 3km north. Orchard area. Wild. Seed.
440048. D-2112. Collected August 24, 1977. Victory Collective Farm, 75km east of Chinkent, then 3km north. Open hillside. Plants common. Wild. Seed.
440049. D-2125. Collected August 24, 1977. Victory Collective Farm, 75km east of Chinkent, then 15km northeast. Dry ravine. Very common. Plants generally pubescent, sometimes glabrous. Wild. Seed.
440050. D-2126. Collected August 24, 1977. Victory Collective Farm, 75km east of Chinkent, then 15km northeast. Dry ravine. Plants pubescent. Wild. Seed.
440051. D-2143. Collected August 25, 1977. NW 25km of Victory Collective Farm, 75km E of Chinkent. 770m. Dry ravine. Plants generally pubescent, sometimes glabrous. Wild. Seed.
440052. D-2155. Collected August 25, 1977. NW 35km of Victory Collective Farm, 75km E of Chinkent. Plants generally pubescent. Wild. Seed.
440053. D-2162. Collected August 25, 1977. NW 45km of Victory Collective Farm, 75km east of Chinkent. 1000m. Hunting preserve. Plants generally pubescent, sometimes glabrous.

440027 TO 440057-continued
Wild. Seed.

440054. D-2178. Collected August 25, 1977. NW 45km of Victory Collective Farm, 75km east of Chinkent. 1000m. Heavy brush. Plants generally pubescent, sometimes glabrous. Wild. Seed.

440055. D-2181. Collected August 25, 1977. NW 45km of Victory Collective Farm, 75km east of Chinkent. 1000m. Low ridge. Plants generally pubescent, sometimes glabrous. Wild. Seed.

440056. D-2185. Collected August 26, 1977. Low mountains about 25km SE of Victory Collective Farm Headquarters. 1400m. Meadow land. Plants generally pubescent. Wild. Seed.

440057. D-2214. Collected August 26, 1977. Low mountains about 25km SE of Victory Collective Farm Headquarters. 1400m. Low, dry hills. Plants generally pubescent. Wild. Seed.

440058 TO 440059. *Agropyron lolioides* (Kar. & Kir.) Soshev. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440058. D-1830. Collected August 10, 1977. Virgin land of Grain Institute about 30km SE of Shorthandy. Culms fine, to 50cm long. Looks like miniature *A. repens*. Wild. Seed.

440059. D-2026. Collected August 18, 1977. Camp area of Trudovoi Pajari Farm, 55km into Mouin-Kum Sands. Moist bottom land. Culms fine, to 75cm long. Spikes small. Wild. Seed.

440060 TO 440064. *Agropyron pectiniforme* Roem. & Schult. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440060. D-1442b. Collected July 26, 1977. Yankulskaya area of Sheep & Goat Institute, 52km SE of Stavropol. 400-430m. Includes D-1446. Stems short. Spikes reddish, ovoid. Wild. Seed.

440061. D-1448b. Collected July 26, 1977. Yankulskaya area of Sheep & Goat Institute, 52km SE of Stavropol. 400-430m. Includes D-1449 and -1459. Spikes narrow, arched. Wild. Seed.

440060 TO 440064-continued

440062. D-1457b. Collected July 26, 1977. Yankulskaya area of Sheep & Goat Institute, 52km SE of Stavropol. 400-430m. Includes D-1458. Plants fairway-like. Wild. Seed.
440063. D-1460. Collected July 26, 1977. Yankulskaya area of Sheep & Goat Institute, 52km SE of Stavropol. 400-430m. Early shattering. Wild. Seed.
440064. D-1617. Collected August 01, 1977. Lenin Collective Farm, 90km E of Stavropol, 14km NW of Svetlograd. 300m. Spikes awned, generally broad. Wild. Seed.

440065 TO 440087. *Agropyron repens* (L.) Beauv. (Poaceae) Quackgrass.

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440065. P-127. Collected July 28, 1977. Beshpagin Sands, 45km southeast of Stavropol. 400m. Mixed with *Calamagrostis epigeios*. Plants to 90cm tall. Wild. Seed.
440066. D-1300. Collected July 20, 1977. Near airport, Dendrology Garden, Stavropol. 600m. Plants to 1 m tall. Leaves bright green, possibly infected by rust. Spikes purplish. Wild. Seed.
440067. D-1311. Collected July 21, 1977. Botanical Garden, Stavropol. Plants very robust. Culms to 2.5m long. Wild. Seed.
440068. D-1347. Collected July 25, 1977. South city limits of Stavropol. 620m. Moist meadow. Lemmas bearded. Fertility good. Wild. Seed.
440069. D-1352. Collected July 25, 1977. South 28km of Stavropol Botanical Garden, toward Mt. Strizhament. 520m. Open knoll at mountain base. Wild. Seed.
440070. D-1376b. Collected July 25, 1977. Mt. Strizhament plateau, about 40km south of Stavropol. 800m. Includes D-1378, -1379 and -1380. Plants to 2m tall. Spikes awned and awnless. Wild. Seed.
440071. D-1377. Collected July 25, 1977. Mt. Strizhament plateau, about 40km south of Stavropol. 800m. Plants fertile. Spikes purplish. Wild. Seed.
440072. D-1481. Collected July 28, 1977. Beshpagin hills about 50km east of Stavropol. 400m. Soil very sandy. Spikes

440065 TO 440087-continued

- small, reddish. Wild. Seed.
440073. D-1482. Collected July 28, 1977. Beshpagin hills about 50km east of Stavropol. 400m. Soil very sandy. Lemmas awned. Wild. Seed.
440074. D-1483. Collected July 28, 1977. Beshpagin hills about 50km east of Stavropol. 400m. Soil very sandy. Leaves wide. Spikes coarse. Wild. Seed.
440075. D-1559. Collected July 29, 1977. Victory Collective Farm, near Svetlograd, about 80km east of Stavropol. 250m. Sandy, rocky soil. Stems tall. Leaves bright green. Awns short. Wild. Seed.
440076. D-1560. Collected July 29, 1977. Victory Collective Farm, near Svetlograd, about 80km east of Stavropol. 250m. Sandy, rocky soil. Among *A. desertorum*. Stems short. Spikes small. Wild. Seed.
440077. D-1585. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Plants fertile. Awns short. Wild. Seed.
440078. D-1655. Collected August 02, 1977. Creokova Village, about 50km southeast of Svetlograd. 300m. Spikes dense, with closely imbricated spikelets. Wild. Seed.
440079. D-1677. Collected August 03, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Leaves broad. Spikes coarse. Wild. Seed.
440080. D-1690. Collected August 03, 1977. Near Kursavka Village, road marker 423 km, between Stavropol and Pyatagorsk. Stems fine. Leaves fine. Spikes small. Wild. Seed.
440081. D-1691. Collected August 04, 1977. Near Kursavka Village on road between Stavropol and Pyatagorsk. Spikes slender, drooping. Wild. Seed.
440082. D-1734. Collected August 08, 1977. Roadside, 19km north of Tselinograd. Glumes very large and broad. Wild. Seed.
440083. D-1882. Collected August 14, 1977. Near Medeo ice-skating arena, 15km south of Alma Ata. 1680m. Steep, ungrazed hillside. Stems to 1.2m tall. Leaves broad, light green. Wild. Seed.
440084. D-1987. Collected August 17, 1977. Eight km E of Trudovoi Pajari Farm Village, about 40km NE of Dzhambul. Culms fine, to 1 m tall. Spikes small. Wild. Seed.

440065 TO 440087-continued

440085. D-1988. Collected August 17, 1977. Roadside, 8km E of Trudovoi Pajari Farm Village, about 40km NE of Dzhabul. Wild. Seed.
440086. D-2003. Collected August 17, 1977. East 15km of Trudovoi Pajari Collective Farm Village, 50km NE of Dzhabul. Wild. Seed.
440087. D-2067. Collected August 21, 1977. Adjacent of Lake Komenoye, 25-30km SE of Dzhabul. Site highly saline. Single colony. Plants short, to 50cm. Rhizomes strong. Wild. Seed.

440088 TO 440094. *Agropyron sibiricum* (Willd.) Beauv. (Poaceae)
Siberian wheatgrass.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440088. D-2008b. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 5km north into sand dunes. Includes D-2010. Soil sandy. Spikes very slender. Wild. Seed.
440089. D-2015. Collected August 18, 1977. North 30km of Dzhabul-Alma Ata Highway into Mouin-Kum Sands. Wild. Seed.
440090. D-2017. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 40km north into sand dunes. Wild. Seed.
440091. D-2021. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 50km north in sand dunes. Wild. Seed.
440092. D-2023. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 55km north into sand dunes. Camp area of Trudovoi Pajari Farm. Wild. Seed.
440093. D-2024. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 55km north into sand dunes. Leaf sheaths pubescent. Wild. Seed.
440094. D-2053b. Collected August 20, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 10km north into sand dunes. Includes D-2054 through -2059. Plants large to 90cm tall. Spikes small, narrow, coarse. Seed large, light colored. Wild. Seed.

440095 TO 440107. *Agropyron* sp. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440095. D-1439. Collected July 26, 1977. Yankulskaya area of Sheep & Goat Institute, 52km SE of Stavropol. 400-430m. Spikes narrow with distant spikelets. Glumes large. May be *A. intermedium*. Wild. Seed.
440096. D-1490. Collected July 28, 1977. Beshpagin hills, 50km east of Stavropol. 400m. Site very sandy. Received as *A. repens* x *A. desertorum* hybrid. Morphology intermediate between presumed parents, both growing nearby. Plants partially fertile. Wild. Seed.
440097. D-1729. Collected August 07, 1977. Waste areas and along roadsides, Tselinograd. Bunch type. Plants self-fertilizing, to 40cm tall. Awnless. Wild. Seed.
440098. D-1749. Collected August 08, 1977. Northeast outskirts of Tselinograd. Bunch type. Culms to 40cm long. Wild. Seed.
440099. D-1816. Collected August 10, 1977. Grove of trees, Shorthandy Institute. Bunch type. Culms to 60cm long. Wild. Seed.
440100. D-1838. Collected August 11, 1977. Shorthandy Dendrology Park. Bunch type. Culms to 80cm long. Wild. Seed.
440101. D-1839. Collected August 11, 1977. Shorthandy Dendrology Park. Plants to 90cm tall. Spikes dense. Wild. Seed.
440102. D-1859. Collected August 12, 1977. Gorky Amusement Park, Alma Ata. 800m. Among waste areas and under trees. Bunch type. Plants 50 to 75cm tall. Spikes slender, erect. Wild. Seed.
440103. D-1879. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1680m. Bunch type. Plants to 70cm tall. Spikes slender. Awnless. Wild. Seed.
440104. D-1901. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1740m. Glumes very large. Spikes brown awned. Wild. Seed.
440105. D-1913. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1780m. Plants to 75cm tall. Glumes very large, dark brown. Florets 1-3 per node. Wild. Seed.

440095 TO 440107-continued

440106. D-1926. Collected August 14, 1977. Between Alma Ata and Medeo. 1530m. Plants small, to 50cm tall. Awnless. Wild. Seed.

440107. D-1934. Collected August 14, 1977. Between Alma Ata and Medeo. 1200m. Culms to 1 m long. Glumes very broad, brown. Awned. Wild. Seed.

440108 TO 440111. *Agrostis gigantea* Roth (Poaceae) Redtop.

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440108. P-55. Collected July 25, 1977. South 5.6km of Stavropol Botanical Garden. 650m. Plants large for species. Wild. Seed.

440109. D-1327. Collected July 22, 1977. Stavropol Botanical Garden. Wild. Seed.

440110. D-1572. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Wild. Seed.

440111. D-2217. Collected August 26, 1977. Near Guest House, Victory Collective Farm, 75km east of Chimkent. Plants to 1 m tall or more. Wild. Seed.

440112 TO 440115. *Agrostis* sp. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440112. D-1769. Collected August 08, 1977. Baratskaya ravine on Seiphulin Farm, 50km N of Tselinograd. Plants to 0.5m tall. Wild. Seed.

440113. D-1885. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1680m. Steep, ungrazed hillsides. Bunch type. Plants to 50cm tall. Wild. Seed.

440114. D-1889. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1700m. Shade. Plants to 40cm tall. Wild. Seed.

440115. D-2206. Collected August 26, 1977. Low mountains, about

440112 TO 440115-continued

25km southeast of Victory Collective Farm. 1400m. Moist area. Plants to 60cm tall. Wild. Seed.

440116 TO 440117. *Alcea nudiflora* (Lindl.) Boiss. (Malvaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440116. D-2107. Collected August 23, 1977. Sverdlov Collective Farm, about 30km east of Chinkent. 600m. Grove of trees. Flowers white. Wild. Seed.

440117. D-2122. Collected August 24, 1977. Victory Collective Farm, 75km east of Chinkent, then 3km north. Flowers white. Wild. Seed.

440118. *Alcea rugosa* Alef. (Malvaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-89. Collected July 26, 1977. Division 5 of Sheep and Goat Farm, 52km southeast of Stavropol. 550m. Plants to 85cm tall. Wild. Seed.

440119 TO 440121. *Alcea* sp. (Malvaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440119. D-1922. Collected August 14, 1977. Between Alma Ata and Medeo. 1400m. Plants to 1.5m tall. Flowers pink. Wild. Seed.

440120. D-1949. Collected August 15, 1977. Mt. Kok-Tube, on outskirts of Alma Ata. 1150m. Plants to 1.5m tall. Wild. Seed.

440121. D-1981. Collected August 17, 1977. South 2km of Trudovoi Pajari Collective Farm Village. Dry hillside. Perennial. Plants to 2m tall. Wild. Seed.

440122 TO 440125. *Allium* sp. (Amaryllidaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440122. D-2136. Collected August 24, 1977. Victory Collective Farm, 75km east of Chinkent, then 15km northeast. Bulbs about the size of popcorn. Wild. Seed.

440123. D-2153. Collected August 25, 1977. NW 25km of Victory Collective Farm, 75km E of Chinkent. 770m. Plants to 1 m. Seed heads large. Wild. Seed.

440124. D-2200. Collected August 26, 1977. Low mountains, about 25km SE of Victory Collective Farm Headquarters. 1400m. Plants small, to 35cm. Wild. Seed.

440125. D-2211. Collected August 26, 1977. Low mountains, about 25km SE of Victory Collective Farm Headquarters. 1400m. Plants to 1 m. Seed heads large. Wild. Seed.

440126. *Althaea officinalis* L. (Malvaceae) Marshmallow.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2038. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhambul, 55km into dunes. Camp area of Trudovci Pajari Farm in wet bottom land. Plants to 1.5m tall. Not eaten by livestock. Considered a medicinal forb. Wild. Seed.

440127. *Amygdalus* sp. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1845. Soviet Union. Shorthandy Institute, Dendrology Park. Collected August 11, 1977. Originally from Altai region. Shrub to 1.5m tall. Received as *A. tedekuriana*. Perennial woody. Cultivated. Seed.

440128. *Anthemis* sp. (Asteraceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,

440128-continued

Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-79. Collected July 25, 1977. Mt. Strizhament. Plants to 30cm tall. Wild. Seed.

440129. Anthyllis vulneraria subsp. polyphylla (DC.) Nyman (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-67. Collected July 25, 1977. Mt. Strizhament. 800m. Plants to 30cm tall. Wild. Seed.

440130. Anthyllis vulneraria L. (Fabaceae) Kidney-vetch.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-37. Soviet Union. Collected July 21, 1977. From Carpathian Mt. to Stavropol Botanical Garden. Cultivated. Seed.

440131 TO 440132. Arrhenatherum elatius (L.) Beauv. ex J. & C. Presl (Poaceae) Tall oatgrass.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440131. D-1336. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. 550m. Transplanted from Novomarijvskaya, 7-8km west of Stavropol. Plants to 1.5m tall. Wild. Seed.

440132. D-1872. Collected August 13, 1977. Alma Ata Botanical Garden. 920m. Wild. Seed.

440133 TO 440135. Artemisia vulgaris L. (Asteraceae) Mugwort.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.

440133 TO 440135-continued
Received February 1978.

440133. D-1944. Collected August 15, 1977. Mt. Kok-Tube on the outskirts of Alma Ata. 1180m. Plants to 1.5m tall. Stems erect. Leaves gray. Wild. Seed.

440134. D-2123. Collected August 24, 1977. Victory Collection Farm, 75km east of Chinkent, 3km north. Plants to 1.5m tall. Stems erect. Leaves gray. Wild. Seed.

440135. D-2151. Collected August 25, 1977. NW 25km of Victory Collective Farm, 75km E OF Chinkent. 770m. Bottom of dry ravine. Plants to 2m tall. Stems erect. Not readily grazed. Wild. Seed.

440136 TO 440137. *Asparagus* sp. (Liliaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440136. D-1772. Collected August 08, 1977. Baratskaya ravine on Seiphulin Farm, 50km N of Tselinograd. Fruits red. Wild. Seed.

440137. D-1799. Collected August 09, 1977. "18 years of Kazakhstan" Collective Farm, 40km W of Shorthandy. Fruits red. Wild. Seed.

440138. *Astragalus asper* Jacq. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1409. Collected July 26, 1977. Sheep and Goat Institute Farm, 52km southeast of Stavropol. 500-600m. Perennial herb. Wild. Seed.

440139 TO 440141. *Astragalus bungeanus* Boiss. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440139. P-148. Collected July 29, 1977. Victory Collective Farm, 138km southeast of Stavropol. 270m. Plants to 4cm tall.

440139 TO 440141-continued
Wild. Seed.

440140. D-1478. Collected July 28, 1977. Beshpagin Hills, 50km east of Stavropol. 400m. Soil very sandy. Plants mature early. Stems prostrate. Non-poisonous. Perennial herb. Wild. Seed.

440141. D-1628. Collected August 01, 1977. Near Gofitskoye Village, 35km southeast of Svetlograd. Dry slopes. Abundant. Wild. Seed.

440142 TO 440143. *Astragalus cicer* L. (Fabaceae) Cicer milkvetch.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440142. D-1685. Collected August 03, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Stems coarse, to 40cm tall. Wild. Seed.

440143. D-1959. Collected August 16, 1977. Kazakhstan Institute of Agricultural Farming, near Alma Ata. Originally from European USSR. Cultivated. Seed.

440144. *Astragalus falcatus* Lam. (Fabaceae) Milkvetch.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-38. Soviet Union. Stavropol Kray. Stavropol Botanical Garden, Cherkessiya Region. Collected July 21, 1977. Plants to 40cm tall. Said to be good forage, no reports of livestock poisoning. Cultivated. Seed.

440145. *Astragalus oxypterus* Boiss. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1969. Collected August 17, 1977. Northeast of Dzhabul near 15km road marker. Stems prostrate, between 70cm and 120cm long. Abundant, readily grazed by sheep. Wild. Seed.

440146. Astragalus cysticalyx Ledeb. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1979. Collected August 17, 1977. South 2km of Trudovoi Pajari Collective Farm Village. Near pond. Plants short, to 30cm tall. Pods inflated. Wild. Seed.

440147. Astragalus ponticus Pall. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1960. Collected August 16, 1977. Kazakhstan Institute of Agricultural Farming, near Alma Ata. Coarser than A. cicer and considered inferior. Cultivated. Seed.

440148 TO 440157. Astragalus sp. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440148. D-1746. Collected August 08, 1977. Roadside, 32km north of Tselinograd. Plants to 40cm tall. Wild. Seed.

440149. D-1747. Collected August 08, 1977. Roadside, 32km north of Tselinograd. Plants to 50cm tall. Stems erect. Wild. Seed.

440150. D-1779. Collected August 09, 1977. Roadside, 38km north of Tselinograd. Plants to 30cm tall. Heads dense and compact. Wild. Seed.

440151. D-1780. Collected August 09, 1977. Roadside, 38km north of Tselinograd. Plants decumbent, to 40cm tall. Heads long. Wild. Seed.

440152. D-1814. Collected August 10, 1977. Near river, Shorthandy Institute. Plants to 40cm tall. Stems erect. Wild. Seed.

440153. D-1832. Collected August 10, 1977. Virgin land of Grain Institute, about 30km SE of Shorthandy. Plants to 30cm tall. Stems erect. Wild. Seed.

440148 TO 440157-continued

440154. D-2012. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhanbul, 5km into sand dunes. Plants woody, to 50cm tall. Heads large, cylindrical, to 15cm long. Pods inflated, pubescent. Wild. Seed.
440155. D-2031. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhanbul, 55km into sand dunes. Camp area of Trudovoi Pajari Farm in wet bottom land. Plants to 30cm tall. Pods inflated. Wild. Seed.
440156. D-2032. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhanbul, 55km into sand dunes. Camp area of Trudovoi Pajari Farm in dry, sandy area. Plants to 50cm tall. Heads large, cylindrical. Pods inflated, woody. Uncommon. Wild. Seed.
440157. D-2208. Collected August 26, 1977. Low mountains, 25km southeast of Victory Collective Farm Headquarters. 1400m. Moist area. Plants very large, coarse, to 1.2m tall. Stems pithy. Pods large, wooly, located along stems. Wild. Seed.

440158. *Astragalus fruticosus* Pall. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2065. Collected August 20, 1977. East 50km of Dzhanbul toward Alma Ata, north 10km to Mouin-Kum Sands. Plants woody, to 80cm tall. Pods inflated, in large clusters. Wild. Seed.

440159. *Astragalus sulcatus* L. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1857. Collected August 11, 1977. Riverbank, Shorthandy Institute Headquarters. Plants to 60cm tall. Stems erect. Wild. Seed.

440160. *Ballota nigra* L. (Lamiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest &

440160-continued

Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-161. Collected July 30, 1977. Mt. Nedryemanya. 510m.
Plants to 30cm tall. Wild. Seed.

440161. Baptisia australis (L.) R. Br. (Fabaceae) Blue wild-indigo.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-1961. Soviet Union. Alma Ata. Kazakhstan Institute of
Agricultural Farming. Collected August 16, 1977.
Originally from Australia. Plants bush-like, to 1 m tall.
Eaten by rabbits. Perennial woody. Cultivated. Seed.

440162. Betula platyphylla Sukatschew (Betulaceae) Asian white birch.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-1854. Soviet Union. Shorthandy Institute, Dendrology
Park. Collected August 11, 1977. Originally from Far East.
Shrubby. Tree. Cultivated. Seed.

**440163 TO 440169. Bothriochloa ischaemum (L.) Keng (Poaceae) Yellow
bluestem.**

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440163. P-59. Collected July 25, 1977. South 12km of Stavropol.
650m. Plants to 70cm tall. Widely dispersed. Wild. Seed.

440164. P-123. Collected July 28, 1977. Beshpagin Sands, 40km
southeast of Stavropol. 400m. Plants to 50cm tall.
Vigorous on disturbed areas. Wild. Seed.

440165. P-141. Collected July 29, 1977. Victory Collective Farm,
186km southeast of Stavropol. 270m. Plants to 80cm tall.
Wild. Seed.

440166. P-177. Collected August 01, 1977. Lenin Farm, 144km
southeast of Stavropol. Plants to 50cm tall. Wild. Seed.

440163 TO 440169-continued

440167. P-185. Collected August 01, 1977. Near Gofitskoye Village, 120km southeast of Stavropol. Prevalant species in area. Plants to 50cm tall. Wild. Seed.

440168. D-1473. Collected July 28, 1977. Beshpagin hills, about 50km east of Stavropol. 400m. Soil very sandy. Prevalent species in area. Wild. Seed.

440169. D-1659. Collected August 02, 1977. Creokova Village, 50km southeast of Stavropol. 300m. Wild. Seed.

440170 TO 440171. *Brachypodium pinnatum* (L.) Beauv. (Poaceae) Japanese false bromegrass.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440170. D-1324. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. 1000m. Transplanted from Ispravnaya Village (Karachaeva Cherkessiya). Wild. Seed.

440171. D-1356. Collected July 25, 1977. Mt. Strizhament plateau, about 40km south of Stavropol. 800m. Open meadow area at mountain top. Wild. Seed.

440172 TO 440173. *Brachypodium rupestre* (Host) Roem. & Schult. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440172. D-1332. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. 550m. Transplanted from Novomarjevskaya, 7-8km west of Stavropol. Grows in nonshaded areas. Received as *B. pinnatum* subsp. *rupestre*. Wild. Seed.

440173. D-1620. Collected August 01, 1977. Near Gofitskoye Village, 35km southeast of Svetlograd. Sandy knolls and moist ravines. Plants caespitose. Culms slender, to 75cm long. Spikes drooping. Received as *B. pinnatum* subsp. *rupestre*. Wild. Seed.

440174 TO 440178. *Brachypodium* sp. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,

440174 TO 440178-continued

Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440174. D-1860. Collected August 12, 1977. Gorky Amusement Park, Alma Ata. 800m. Among waste areas and under trees. Leaves yellow-green. Culms to 90cm long. Spikes lax, brown. Wild. Seed.
440175. D-1861. Collected August 12, 1977. Gorky Amusement Park, Alma Ata. 800m. Shade. Leaves broad, dark green. Culms to 80cm long. Spikes pendulous. Wild. Seed.
440176. D-1895. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1720m. Steep ungrazed hillside in the shade. Wild. Seed.
440177. D-1914. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1780m. Steep, ungrazed hillside. Wild. Seed.
440178. D-1935. Collected August 14, 1977. Between Alma Ata and Medeo. 1200m. Leaves yellow-green. Spikes pendulous. Wild. Seed.

440179 TO 440180. *Briza elatior* J. E. Smith (Poaceae).

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440179. P-44. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. 1500-2000m. Transplanted from Mt. Strizhament. Vigorous bunch type. Wild. Seed.
440180. P-76. Collected July 25, 1977. Mt. Strizhament. Plants to 40cm tall. Vigorous bunch type. Wild. Seed.

440181 TO 440182. *Bromus benekenii* (Lange) Trimen (Poaceae).

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440181. D-1310. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. Originally from forested areas of Stavropol Kray. Plants large, robust, adapted to shady areas. Cultivated. Seed.

440181 TO 440182-continued

440182. D-1354. Collected July 25, 1977. Shaded area, about half-way up slope of Mt. Strizhament. 720m. Plants robust, 1.5 to 2m tall. Wild. Seed.

440183 TO 440204. *Bromus inermis* Leyss. (Poaceae) Smooth bromegrass.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440183. P-86. Collected July 25, 1977. Mt. Strizhament. Plants to 60cm, infected with some ergot. Wild. Seed.

440184. P-131. Collected July 28, 1977. Beshpagin Sands. 400m. Plants to 90cm tall. Wild. Seed.

440185. D-1367. Collected July 25, 1977. Mt. Strizhament plateau, about 40km south of Stavropol. 800m. Open meadow at top of mountain. Plants to 1.5m tall. Wild. Seed.

440186. D-1401. 'Bezostyu-2'. Soviet Union. Stavropol Sheep and Goat Institute. Collected July 26, 1977. Cultivated. Seed.

440187. D-1422. Collected July 26, 1977. Sheep and Goat Institute Farm, 52km southeast of Stavropol. 500-600m. Virgin steppe, hillsides with rich mixture of grasses and legumes. Wild. Seed.

440188. D-1423. Collected July 26, 1977. Sheep and Goat Institute Farm, 52km southeast of Stavropol. 500-600m. Wild. Seed.

440189. D-1475. Collected July 28, 1977. Beshpagin Hills, about 50km east of Stavropol. 400m. Soil very sandy. Wild. Seed.

440190. D-1635. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Wild. Seed.

440191. D-1672. Collected August 02, 1977. E entrance, Yankulskaya Valley, on road from Oreokova to Kalantal Village. 430m. Plants fertile. Wild. Seed.

440192. D-1676. Collected August 03, 1977. Mt. Nedryemanya, about 30km south of Stavropol. 500m. Wild. Seed.

440193. D-1732. Collected August 07, 1977. Waste places and along roadsides, Tselinograd. Possibly tetraploid. Wild. Seed.

440194. D-1736. Collected August 08, 1977. Roadside, 25km north

440183 TO 440204-continued

of Tselinograd. Wild. Seed.

440195. D-1743. Collected August 08, 1977. Roadside, 32km north of Tselinograd. Wild. Seed.

440196. D-1774. Collected August 09, 1977. Roadside, 10km north of Tselinograd. Wild. Seed.

440197. D-1777. Collected August 09, 1977. Roadside, 38km north of Tselinograd. Wild. Seed.

440198. D-1798. Collected August 09, 1977. "18-years of Kazakhstan" Collective Farm, about 40km west of Shorthandy. Plants to 50cm tall. Wild. Seed.

440199. D-1825. Collected August 10, 1977. Roadside, about 25km southeast of Shorthandy. Wild. Seed.

440200. D-1862. Collected August 12, 1977. Waste areas and under trees, Gorky Amusement Park, Alma Ata. 800m. Wild. Seed.

440201. D-2115. Collected August 24, 1977. Victory Collective Farm, 75km east of Chinkent, then 3km north. Orchard area. Wild. Seed.

440202. D-2128. Collected August 24, 1977. Victory Collective Farm, 75km east of Chinkent, then 15km northeast. Dry ravine. Wild. Seed.

440203. D-2144. Collected August 25, 1977. Dry ravine, about 25km northwest of Victory Collective Farm. 770m. Mixed with *B. riparius* seed. Wild. Seed.

440204. D-2163. Collected August 25, 1977. Northwest 45km of Victory Farm Headquarters, 75km E of Chinkent. 1000m. Near bottom of mountain. Wild. Seed.

440205. *Bromus rigidus* Roth (Poaceae) Ripgut bromegrass.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-69. Collected July 25, 1977. Mt. Strizhament. Plants vigorous, to 40cm tall.

440206 TO 440215. *Bromus riparius* Rehm. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest &

440206 TO 440215-continued

Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440206. P-46. Soviet Union. Stavropol Botanical Garden.
Collected July 22, 1977. 1500m. Transplanted from
Cherkessiya area. Plants vigorous, bunch type. Wild. Seed.
440207. D-1320. Soviet Union. Stavropol Botanical Garden.
Collected July 22, 1977. 610m. Transplanted from meadow
steppes at Karachevo-Cherkessiya, near Stavropol. Wild.
Seed.
440208. D-1368. Collected July 25, 1977. Mt. Strizhament
plateau, 40km south of Stavropol. 800m. Open meadow at
mountain top. Plants cespitose, over 1 m tall. Wild. Seed.
440209. D-1369. Collected July 25, 1977. Mt. Strizhament
plateau, 40km south of Stavropol. 800m. Open meadow at
mountain top. Plants cespitose, over 1 m tall. Wild. Seed.
440210. D-1370. Collected July 25, 1977. Mt. Strizhament
plateau, 40km south of Stavropol. 800m. Open meadow at
mountain top. Plants cespitose, over 1 m tall. Wild. Seed.
440211. D-1402. 'Krasnodar-8'. Soviet Union. Stavropol Sheep and
Goat Institute. Collected July 26, 1977. Cultivated. Seed.
440212. D-1574. Collected July 30, 1977. Mt. Nedryemanya, 30km
south of Stavropol. 500m. Wild. Seed.
440213. D-1607. Collected July 31, 1977. Stavropol Agricultural
Institute Farm, 2km from Shpakovskoye Village. 300-350m.
Dry hillside. Wild. Seed.
440214. D-1675. Collected August 03, 1977. Mt. Nedryemanya, 30km
south of Stavropol. 500m. Wild. Seed.
440215. D-2157. Collected August 25, 1977. Dry hillside, about
35km northwest of Victory Collective Farm Headquarters.
Mixture with *B. inermis*. Wild. Seed.

440216 TO 440225. *Calamagrostis epigeios* (L.) Roth (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440216. P-65. Collected July 25, 1977. Mt. Strizhament. Plants
to 100cm tall. Wild. Seed.
440217. P-102. Collected July 27, 1977. E slope of Yankulsky

440216 TO 440225-continued

area of Sheep and Goat Ranch, 90km SE of Stavropol. 400m. Plants to 130cm tall, strongly rhizomatous. Wild. Seed.

440218. P-117. Collected July 28, 1977. Beshpagin uplands. 400m. Soil very sandy. Plants to 100cm tall. Wild. Seed.
440219. P-129. Collected July 28, 1977. Beshpagin sands, 64km southeast of Stavropol. 400m. Plants to 100cm tall. Wild. Seed.
440220. P-133. Collected July 28, 1977. Beshpagin sands, 50km from Stavropol. 400m. Plants to 100cm tall. Wild. Seed.
440221. D-1733. Collected August 07, 1977. Waste areas and along roadsides, Tselinograd. Wild. Seed.
440222. D-1750. Collected August 08, 1977. Northeast outskirts of Tselinograd. Plants to 90cm tall. Inflorescence branched, large. Wild. Seed.
440223. D-1764. Collected August 08, 1977. Seiphulin Collective Farm, 25km N of Tselinograd. Wild. Seed.
440224. D-1985. Collected August 17, 1977. Eight km E of Trudovoi Pajari Farm Village, about 40km NE of Dzhabul. Leaves blue. Culms to 1.2m. Wild. Seed.
440225. D-2033. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 55km north into sand dunes. Wet bottom land. Wild. Seed.

440226. *Calligonum aphyllum* (Pall.) Guerke (Polygonaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2014. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 5km north into sand dunes. Shrubs to 2m tall. Pods with 4 smooth wings. Perennial woody. Wild. Seed.

440227 TO 440234. *Calligonum rotula* Boszcz. (Polygonaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440227. D-2018. Collected August 17, 1977. Mouin-Kum Sands, 50km

440227 TO 440234-continued

east of Dzhabul, 40km north into sand dunes. Pods spherical, with prickly extrusions. Perennial woody. Wild. Seed.

440228. D-2019. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 50km north into sand dunes. Perennial woody. Wild. Seed.

440229. D-2020. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 50km north into sand dunes. Plant holds seeds longer than most. Perennial woody. Wild. Seed.

440230. D-2034. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 55km north into sand dunes. Camp area of Trudovoi Pajari Farm in dry, sandy area. Perennial woody. Wild. Seed.

440231. D-2061. Collected August 20, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 10km north into sand dunes. Prostrate form. Perennial woody. Wild. Seed.

440232. D-2062. Collected August 20, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 10km north into sand dunes. Plants in 10m wide cluster. Perennial woody. Wild. Seed.

440233. D-2063. Collected August 20, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 10km north into sand dunes. Seed balls larger than normal. Perennial woody. Wild. Seed.

440234. D-2064. Collected August 20, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 10km north into sand dunes. Seed balls smaller than normal. Perennial woody. Wild. Seed.

440235. *Calligonum turbineum* Pavlov (Folygonaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2016. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 30km north into sand dunes. Shrubs bushy, to 1.5m tall. Pods with 4 wings, prickly margins. Perennial woody. Wild. Seed.

440236. *Carex membranacea* Hook. (Cyperaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440236-continued

P-74. Collected July 25, 1977. South of Stavropol city limits, 4km from Stavropol Botanical Garden. Moist site. Plants to 30cm tall. Wild. Seed.

440237. *Carex gracilis* R. Br. (Cyperaceae).

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2074. Collected August 21, 1977. Adjacent to Lake Komenoye, 25-30km southeast of Dzhambul. Plants to 30cm tall. Wild. Seed.

440238. *Carex juncea* Willd. (Cyperaceae).

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1972. Collected August 17, 1977. Along road, northeast of Dzhambul, near the 15km road marker. Wet area. Stems coarse, to 1 m tall. Wild. Seed.

440239 TO 440244. *Carex* sp. (Cyperaceae).

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440239. D-1871. Collected August 12, 1977. Gorky Amusement Park in Alma Ata. 800m. Among waste areas and under trees. Stems to 75cm tall. Wild. Seed.

440240. D-1896. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1720m. Steep ungrazed hillsides. Plants to 40cm tall. Wild. Seed.

440241. D-1971. Collected August 17, 1977. Along road northeast of Dzhambul, near the 15km road marker. Wet area. Stems slender, to 120cm tall. Wild. Seed.

440242. D-1996. Collected August 17, 1977. Eight km east of Trudovoi Pajari Farm Village, about 40km NE of Dzhambul. Plants to 80cm tall. Leaves dark green. Wild. Seed.

440239 TO 440244-continued

440243. D-2039. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 55km north into sand dunes. Wet bottom land. Plants to 25cm tall. Wild. Seed.

440244. D-2040. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 55km north into sand dunes. Wet bottom land. Stems slender to 60cm tall. Wild. Seed.

440245 TO 440246. *Carex turkestanica* Regel (Cyperaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440245. D-2146. Collected August 25, 1977. Northwest 25km of Victory Collective Farm, 75km east of Chinkent. 770m. Bottom of dry ravine. Plants to 30cm tall. Wild. Seed.

440246. D-2168. Collected August 25, 1977. Low mountains, 45km NW of Victory Collective Farm, 75km east of Chinkent. 1000m. Dry, open hillside. Plants to 35cm tall. Many plants infested with smut. Wild. Seed.

440247 TO 440248. *Chaerophyllum maculatum* Willd. (Apiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440247. P-64. Collected July 25, 1977. Mt. Strizhament. Plants to 60cm tall, slightly immature. Grows best in shade. Wild. Seed.

440248. P-165. Collected July 30, 1977. Mt. Nedryemanya, 48km south of Stavropol. 510m. Plants to 100cm tall. Grows best in shade. Said to have medicinal values. Wild. Seed.

440249. *Chondrilla lejosperma* Kar. & Kir. (Asteraceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2013. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, 5km north into sand dunes. Plants bushy, to 60cm tall. Stems fine. Flowers small, yellow.

440249-continued

Relatively unpalatable to livestock. Used in making chewing gum. Perennial woody. Wild. Seed.

440250 TO 440251. *Convolvulus pseudocantabrica* Schrenk
(Convolvulaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440250. D-2152. Collected August 25, 1977. Northwest 25km of Victory Collective Farm, 75km east of Chinkent. 770m. Shrubby forb, to 60cm high. Poor palability, good for hay. Wild. Seed.

440251. D-2172. Collected August 25, 1977. Low mountains, 45km NW of Victory Collective Farm, 75km east of Chinkent. 1000m. Brushy, perennial forb. Wild. Seed.

440252. *Cornus* sp. (Cornaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1915. Collected August 14, 1975. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1780m. Steep, ungrazed hillside. Plants small. Tree. Wild. Seed.

440253 TO 440259. *Coronilla varia* L. (Fabaceae) Crownvetch.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440253. P-96. Collected July 26, 1977. Division 5, Sheep and Goat Farm, Ravine 4, 52km southeast of Stavropol. 550m. Plants to 40cm tall. Wild. Seed.

440254. D-1337. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. 830m. Transplanted in sod 30km from Mt. Strizhament. Wild. Seed.

440255. D-1411. Collected July 26, 1977. Sheep and Goat Institute Farm, 52km southeast of Stavropol. 500-600m. Virgin steppe, a rich mixture of grasses and legumes. Wild. Seed.

440253 TO 440259-continued

440256. D-1568. Collected July 29, 1977. Victory Collective Farm near Svetlograd, about 80km east of Stavropol. 250m. Soil sandy-rocky. Wild. Seed.

440257. D-1578. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Wild. Seed.

440258. D-1648. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Clearings and around edge of woods. Wild. Seed.

440259. D-1660. Collected August 02, 1977. Oreokove Village, about 50km southeast of Svetlograd. 300m. Wild. Seed.

440260. *Cotoneaster lucidus* Schlecht. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1848. Soviet Union. Dendrology Park, Shorthandy Institute. Collected August 11, 1977. Originally from Europe. Shrubs to 2m tall. Perennial woody. Seed.

440261. *Cotoneaster melanocarpus* Lodd. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1849. Soviet Union. Dendrology Park, Shorthandy Institute. Collected August 11, 1977. Originally from Tselinograd forest. Shrubs to 1.2m tall. Perennial woody. Seed.

440262. *Cotoneaster* sp. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1929. Collected August 14, 1977. Between Alma Ata and Medeo. 1530m. Plants to 2.5m tall. Fruits small, red, with several seeds each. Perennial woody. Wild. Seed.

440263. *Crataegus pentagyna* Waldst. & Kit. ex Willd. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1650. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Clearings and around periphery of woods. Plants shrubby, thornless. Tree. Wild. Seed.

440264. *Crataegus sanguinea* Pall. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1850. Collected August 11, 1977. Dendrology Park, Shorthandy Institute. Plant small, thornless. Tree. Seed.

440265 TO 440267. *Crataegus* sp. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440265. D-1908. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1760m. Steep, ungrazed hillsides. Plant small, thornless. Tree. Wild. Seed.

440266. D-1953. Collected August 15, 1977. Mt. Kok-Tube, on outskirts of Alma Ata. 1150m. Plants small, thornless. Tree. Wild. Seed.

440267. D-1954. Collected August 15, 1977. Mt. Kok-Tube, on outskirts of Alma Ata. 1100m. Plant shrubby. Fruit dark purple with good flavor. Tree. Wild. Seed.

440268 TO 440269. *Cytisus ruthenicus* Fisch. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440268. P-34. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. Plant 1.5m tall. Perennial woody.

440268 TO 440269-continued
Seed.

440269. D-1339. Soviet Union. Stavropol Botanical Garden.
Collected July 22, 1977. 830m. Transplanted from Mt.
Strizhament, 30km from Stavropol. Limited value as a
forage. Perennial woody. Wild. Seed.

440270 TO 440295. *Dactylis glomerata* L. (Poaceae) Orchardgrass.

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440270. D-1344. Collected July 22, 1977. Dendrology Park of
Stavropol Botanical Garden. Plants to 1 m tall. Wild.
Seed.

440271. D-1371. Collected July 25, 1977. Mt. Strizhament
plateau, 40km south of Stavropol. 800m. Open meadow at
the mountain top. Plants to 1.2m tall. Wild. Seed.

440272. D-1372. Collected July 25, 1977. Mt. Strizhament
plateau, 40km south of Stavropol. 800m. Open meadow at
the mountain top. Plants to 2m tall. Wild. Seed.

440273. D-1373. Collected July 25, 1977. Mt. Strizhament
plateau, 40km south of Stavropol. 800m. Open meadow at
the mountain top. Plants to 2m tall. Wild. Seed.

440274. D-1374. Collected July 25, 1977. Mt. Strizhament
plateau, 40km south of Stavropol. 800m. Open meadow at
the mountain top. Plants over 2m tall. Wild. Seed.

440275. D-1400. 'Sbornaya Dzhegutinskaya'. Soviet Union.
Stavropol Sheep and Goat Institute. Collected July 26,
1977. Cultivated. Cultivar. Seed.

440276. D-1419. Collected July 26, 1977. Sheep and Goat
Institute Farm, 52km southeast of Stavropol. 500-600m.
Plants to 1.5m tall. Wild. Seed.

440277. D-1571. Collected July 30, 1977. Mt. Nedryemanya, 30km
south of Stavropol. 500m. Wild. Seed.

440278. D-1621. Collected August 01, 1977. Near Gofitskoye
Village, 35km southeast of Svetlograd. Sandy knoll. Wild.
Seed.

440279. D-1636. Collected August 02, 1977. Gofitskoye Woods,
40km southeast of Svetlograd. 300m. Clearings and around
edges of woods. Wild. Seed.

440270 TO 440295-continued

440280. D-1864. Collected August 12, 1977. Gorky Amusement Park, Alma Ata. 800m. Among waste areas and under trees. Wild. Seed.
440281. D-1865. Collected August 12, 1977. Gorky Amusement Park, Alma Ata. 800m. Among waste areas and under trees. Plants usually over 1 m tall. Wild. Seed.
440282. D-1866. Collected August 12, 1977. Gorky Amusement Park, Alma Ata. 800m. Among waste areas and under trees. Plants erect, to 1.5m tall. Wild. Seed.
440283. D-1867. Collected August 12, 1977. Gorky Amusement Park, Alma Ata. 800m. Among waste areas and under trees. Leaves narrow, free of mildew. Wild. Seed.
440284. D-1884. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1680m. Steep, ungrazed hillsides. Culms to 1.2m tall. Wild. Seed.
440285. D-1888. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1700m. Growing in the shade on steep hillsides. Plants to 1.5m tall. Wild. Seed.
440286. D-1902. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1760m. Steep, ungrazed hillside. Plants to 1.5m tall. Wild. Seed.
440287. D-1927. Collected August 14, 1977. Between Alma Ata and Medeo. 1530m. Plants to 1.5m tall. Wild. Seed.
440288. D-1941. Collected August 15, 1977. Mt. Kok-Tube, on outskirts of Alma Ata. 1180m. Plants tall. Wild. Seed.
440289. D-2129. Collected August 24, 1977. Victory Collective Farm, 75km east of Chinkent, then 15km northeast. Dry ravine. Wild. Seed.
440290. D-2145. Collected August 25, 1977. Northwest 25km of Victory Collective Farm Headquarters. 770m. Dry ravine. Wild. Seed.
440291. D-2156. Collected August 25, 1977. About 35km northwest of Victory Collective Farm Headquarters. Wild. Seed.
440292. D-2167. Collected August 25, 1977. Northwest 45km of Victory Collective Farm, 75km east of Chinkent. 1000m. Dry, open slope. Wild. Seed.
440293. D-2175. Collected August 25, 1977. Northwest 45km of Victory Collective Farm, 75km east of Chinkent. 1000m.

440270 TO 440295-continued

Top of ridge. Wild. Seed.

440294. D-2186. Collected August 26, 1977. About 25km southeast of Victory Collective Farm Headquarters. 1400m. Meadow at mountain top. Wild. Seed.

440295. D-2203. Collected August 26, 1977. About 25km southeast of Victory Collective Farm Headquarters. 1400m. Moist slope. Wild. Seed.

440296. *Delphinium schmalhauseni* Alboff. (Ranunculaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1360. Collected July 25, 1977. Mt. Strizhament plateau, 40km south of Stavropol. 800m. Open meadow on the mountain top. Flowers blue. Wild. Seed.

440297. *Deschampsia cespitosa* (L.) Beauv. (Poaceae) Tufted hairgrass.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1693. Collected August 04, 1977. Near Kursavka Village, between Stavropol and Pyatagorsk. Plants to 1 m tall. Wild. Seed.

440298 TO 440300. *Deschampsia* sp. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440298. D-1751. Collected August 08, 1977. Northeast outskirts of Tselinograd. Bunch type. Leaves broad. Culms to 70cm. Wild. Seed.

440299. D-1989. Collected August 17, 1977. Roadside, 8km E of Trudovoi Pajari Farm Village, about 40km NE of Dzhambul. Plants to 1.2m tall. Wild. Seed.

440300. D-2029. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhambul, 55km north into sand dunes. Trudovoi Pajari Farm camp area. Plants to 50cm tall. Wild. Seed.

440301 TO 440302. *Dictamnus albus* var. *caucasicus* (Fisch. & C. A. Mey.) Rouy (Rutaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440301. P-63. Collected July 25, 1977. Mt. Strizhament. Plants to 50cm tall. Wild. Seed.

440302. P-94. Collected July 26, 1977. Division 5, Sheep & Goat Farm, Ravine 4, 52km southeast of Stavropol. 550m. Plants to 30cm tall. Wild. Seed.

440303 TO 440304. *Echium vulgare* L. (Boraginaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440303. P-62. Collected July 25, 1977. Mt. Strizhament. 800m. Plants to 50cm tall. Wild. Seed.

440304. P-109. Collected July 27, 1977. Division 1 of Sheep and Goat Institute Farm. 400m. Plants to 30cm tall. Wild. Seed.

440305. *Elaeagnus angustifolia* L. (Elaeagnaceae) Russian olive.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1997. Collected August 17, 1977. Roadside, 8km east of Trudovoi Pajari Farm Village, 40km NE of Dzhambul. Tree. Wild. Seed.

440306. *Elymus akmolinensis* Drobov (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1307. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. Originally from Moscow Botanical Garden. Stems short, to 75cm. Spikes fine. Rhizomatous. Cultivated. Seed.

440307 TO 440318. *Elymus angustus* Trin. (Poaceae) Altai wildrye.

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

- 440307. D-1731. Collected August 07, 1977. Waste places and roadsides, Tselinograd. Rhizomatous. Wild. Seed.
- 440308. D-1735. Collected August 08, 1977. Roadside, 25km north of Tselinograd. Culms to 1.2m. Rhizomes short. Some clumps almost appear to be bunch type. Wild. Seed.
- 440309. D-1802. Collected August 10, 1977. Near railroad, Shorthandy Institute. Leaves wide, blue. Culms to 1.5m long. Rhizomes strong. Wild. Seed.
- 440310. D-1804. Collected August 10, 1977. Near a river, Shorthandy Institute. Culms 1 to 2m long. Rhizomes moderate to strong. Wild. Seed.
- 440311. D-1805. Collected August 10, 1977. Near a river, Shorthandy Institute. Culms to 1.5m long. Spikes arched, long. Wild. Seed.
- 440312. D-1806. Collected August 10, 1977. Near a river, Shorthandy Institute. Plants fertile. Leaves slender. Spikes narrow. Wild. Seed.
- 440313. D-1807. Collected August 10, 1977. Near a river, Shorthandy Institute. Spikes dense. Lemmas pubescent. Wild. Seed.
- 440314. D-1808. Collected August 10, 1977. Near a river, Shorthandy Institute. Plants fertile, to 1 m tall. Culms erect. Wild. Seed.
- 440315. D-1809. Collected August 10, 1977. Near a river, Shorthandy Institute. Plants very tall, to 2m. Leaves blue-green. Wild. Seed.
- 440316. D-1817. Collected August 10, 1977. In grove of trees, Shorthandy Institute. Culms to 2m long. Wild. Seed.
- 440317. D-1831. Collected August 10, 1977. Virgin land of Grain Institute, about 30km SE of Shorthandy. Culms to 1.5m long. Rhizomes moderate to strong. Wild. Seed.
- 440318. D-1836. Collected August 11, 1977. Along sandy riverside, Shorthandy Institute. Wild. Seed.

440319. *Elymus dahuricus* Turcz. ex Griseb. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1305. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. Originally from Vladivostock. Prolific seeder. Cultivated. Seed.

440320 TO 440327. *Elymus multicaulis* Kar. & Kir. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440320. D-1974. Collected August 17, 1977. Two km south of Trudovoi Pajari Collective Farm Village. Hillside near village pond. Area heavily grazed. Spikes arched. Wild. Seed.
440321. D-1983. Collected August 17, 1977. Eight km E of Trudovoi Pajari Farm Village, about 40km NE of Dzhabul. Leaves light green. Rhizomes moderate. Seed set poor. Wild. Seed.
440322. D-1998. Collected August 17, 1977. Fifteen km E of Trudovoi Pajari Collective Farm Vill., 50km NE of Dzhabul. Along dry side road. Culms to 80cm long. Spikes dense, erect. Wild. Seed.
440323. D-1999. Collected August 17, 1977. Fifteen km E of Trudovoi Pajari Collective Farm Vill., 50km NE of Dzhabul. Leaves light green. Rhizomes strong. Excellent fertility. Wild. Seed.
440324. D-2000. Collected August 17, 1977. Fifteen km E of Trudovoi Pajari Collective Farm Vill., 50km NE of Dzhabul. Spikes slender, curved. Wild. Seed.
440325. D-2001. Collected August 17, 1977. Fifteen km E of Trudovoi Pajari Collective Farm Vill., 50km NE of Dzhabul. Spikes few, arched. Rhizomes strong. Wild. Seed.
440326. D-2002. Collected August 17, 1977. Fifteen km E of Trudovoi Pajari Collective Farm Vill., 50km NE of Dzhabul. Wild. Seed.
440327. D-2025. Collected August 18, 1977. Mouin-Kum Sands, 50km E of Dzhabul, then 55km north into dunes. Wild. Seed.

440328. *Elymus nutans* Griseb. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1306. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. Cultivated. Seed.

440329 TO 440333. *Elymus trinii* Melderis (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440329. D-1740. Collected August 08, 1977. Roadside, 30km north of Tselinograd. Culms short, to 30cm. Spikelets single. Rhizomes strong. Poor seed set. Resembles North American *E. simplex*. Salt tolerant. Good for erosion control. Wild. Seed.

440330. D-1757. Collected August 08, 1977. Seiphulin Collective Farm, about 20km north of Tselinograd. Close to a low, wet area. Low seed set. Wild. Seed.

440331. D-1762. Collected August 08, 1977. Road cut, 25km north of Tselinograd. Plants to 25cm. Rhizomes strong. Wild. Seed.

440332. D-1775. Collected August 09, 1977. Roadside, 10km north of Tselinograd. Culms short, less than 50cm. Rhizomes strong. Wild. Seed.

440333. D-1837. Collected August 11, 1977. Sandy riverside at Shorthandy Institute. Stems short. Rhizomes long. Wild. Seed.

440334 TO 440337. *Elymus* sp. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440334. D-1739. Collected August 08, 1977. Roadside, 30km north of Tselinograd. Black alkali site. Culms to 120cm long. Lemmas pubescent. Rhizomes moderate. Belongs to *E. angustus* complex. Salt tolerant. Wild. Seed.

440335. D-1758. Collected August 08, 1977. Seiphulin Collective

440334 TO 440337-continued

Farm about 20km north of Tselinograd. Lemmas pubescent. Rhizomes strong. Part of *E. angustus* complex. Wild. Seed.

440336. D-2191. Collected August 26, 1977. About 25km southeast of Victory Collective Farm Headquarters. 1400m. Open, rocky, dry slope. Culms to 60cm long. Spikes small. Spikelets single. Rhizomes short or plant caespitose. Rust infested. Wild. Seed.

440337. D-2215. Collected August 26, 1977. About 25km southeast of Victory Collective Farm Headquarters. 1400m. Low, dry hills. Bunch type. Plants to 75cm tall. Spikelets single. Wild. Seed.

440338. *Eremurus regelii* Vved. (Liliaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2066. Collected August 20, 1977. East 50km of Dzhambut toward Alma Ata, then N 10km to Mouin-Kum Sands. Single seed stalks to 1 m. Annual. Wild. Seed.

440339 TO 440340. *Euphorbia* sp. (Euphorbiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440339. P-118. Collected July 28, 1977. Beshpagin Sands. 400m. Plants to 22cm tall. Wild. Seed.

440340. D-2141. Collected August 25, 1977. Victory Collective Farm, 75km E of Chinkent, then 15km NE to dry ravine. Plants soft-stemmed (onion-like), terminates in club-like, 3-lobed head. Wild. Seed.

440341 TO 440342. *Festuca arundinacea* Schreb. (Poaceae) Tall fescue.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440341. D-1841. Collected August 11, 1979. Shorthandy Dendrology Park. Wild. Seed.

440341 TO 440342-continued

440342. D-2069. Collected August 21, 1977. Adjacent to Lake Komenoye, 25-30km SE of Dzhabul. Plants to 1 m tall. Wild. Seed.

440343 TO 440352. *Festuca arundinacea* var. *orientalis* Richt. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440343. D-1312. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. Plants to 1.5m tall. Wild. Seed.
440344. D-1333. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. Transplanted from Novomarijenskaya, 7-8km W of Stavropol. 550m. Wild. Seed.
440345. D-1351. Collected July 25, 1977. Road to Mt. Strizhament, 19km S of Stavropol Botanical Garden. 350m. River bottom. Wild. Seed.
440346. D-1365. Collected July 25, 1977. Mt. Strizhament plateau, 40km south of Stavropol. 800m. Open meadow area at mountain top. Wild. Seed.
440347. D-1366. Collected July 25, 1977. Mt. Strizhament plateau, 40km south of Stavropol. 800m. Open meadow area at mountain top. Wild. Seed.
440348. D-1576. Collected July 30, 1977. Wet area, Mt. Nedryemanya, 30km south of Stavropol. 500m. Wild. Seed.
440349. D-1618. Collected August 01, 1977. Near Gofitskoye Village, 35km southeast of Svetlograd. Plants robust, often over 1 m tall. Wild. Seed.
440350. D-1970. Collected August 17, 1977. Along roadside, northeast of Dzhabul, near 15km road marker. Plants 80cm to 100cm tall. Wild. Seed.
440351. D-2103. Collected August 23, 1977. In grove of trees, Sverdlov Collective Farm, about 30km east of Chikent. 600m. Plants to 1.4m tall. Wild. Seed.
440352. D-2165. Collected August 25, 1977. NW 45km of Victory Collective Farm, 75km E of Chikent. 1000m. Near stream. Plants to 1 m tall. Wild. Seed.

440353 TO 440354. *Festuca ovina* subsp. *beckeri* Hack. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest and Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440353. P-116. Collected July 28, 1977. Beshpagin uplands, 64km southeast of Stavropol. 400m. Dune area. Plants vigorous, bunch type, to 20cm tall. Wild. Seed.

440354. D-1531. Collected July 28, 1977. Rocky, shallow soil, Beshpagin area. Plants larger than *F. sulcata*. Wild. Seed.

440355 TO 440356. *Festuca gigantea* (L.) Vill. (Poaceae) Great fescue.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440355. D-2068. Collected August 21, 1977. Dry site, adjacent to Lake Komenoye, 25-30km SE of Dzhambul. Plants to 75cm tall. Wild. Seed.

440356. D-2078. Collected August 22, 1977. Dry hillside, about 35km from Dzhambul toward Chinkent. 900m. Plants to 1 m tall. Wild. Seed.

440357 TO 440358. *Festuca pratensis* Huds. (Poaceae) Meadow fescue.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440357. D-1342. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. Transplanted from a southern region of Stavropol Kray. Wild. Seed.

440358. D-1575. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Wild. Seed.

440359 TO 440365. *Festuca* sp. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440359. D-1753. Collected August 08, 1977. Northeast outskirts

440359 TO 440365-continued

of Tselinograd. Plants to 80cm tall. Wild. Seed.

440360. D-1868. Collected August 12, 1977. Gorky Amusement Park, Alma Ata. 800m. Bunch type. Culms over 1 m tall. Awns to 1 cm long. Wild. Seed.
440361. D-1890. Collected August 14, 1977. Shade, near Medeo Ice-Skating Arena, 15km south of Alma Ata. 1700m. Culms to 2m tall. Leaves wide. Panicles open. Wild. Seed.
440362. D-1919. Collected August 14, 1977. Near river, between Alma Ata and Medeo. 1200m. Plants to 1.2m tall. Leaves wide. Panicles open. Awns to 1.5cm long. Wild. Seed.
440363. D-1976. Collected August 17, 1977. Two km south of Trudovoi Pajari Collective Farm Village. Near village pond. Plants to 1 m tall. Wild. Seed.
440364. D-2028. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhambul, than 55km north into sand dunes. Wet bottom land at Trudovoi Pajari Farm camp area. Plants to 75cm tall. Wild. Seed.
440365. D-2043. Collected August 19, 1977. Low mountains, 35km southeast of Dzhambul. 1050m. Bottom of a dry wash. Plants to 90cm tall. Wild. Seed.

440366 TO 440387. *Festuca sulcata* (Hack.) Beck (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440366. P-62. Collected July 25, 1977. Twelve km south of Stavropol. Leaves fine. Wild. Seed.
440367. P-87. Collected July 26, 1977. Division 5, Sheep and Goat Institute, 52km southeast of Stavropol. 550m. Plants to 30cm tall. Wild. Seed.
440368. P-101. Collected July 26, 1977. Yankulskiy area of Sheep and Goat Institute, 56km south east of Stavropol. 400m. Plants to 20cm tall. Wild. Seed.
440369. P-103. Collected July 27, 1977. Shallow soil, Division 3, Sheep and Goat Institute. Plants to 14cm tall. Wild. Seed.
440370. P-104. Collected July 27, 1974. East slope of Yankulski area, 56km southeast of Stavropol. 400m. Plants to 12cm tall. Wild. Seed.

440366 TO 440387-continued

440371. P-180. Collected August 01, 1977. Lenin Farm. Wild. Seed.
440372. D-1313. Collected July 21, 1977. Edilbai Village, Blagodarnoye region of Stavropcl Kray. Presented by D. S. Dsibov. Wild. Seed.
440373. D-1314. Collected July 21, 1977. Sandy soil, Shpakovskoye region of Stavropcl Kray. Presented by D. S. Dsibov. Wild. Seed.
440374. D-1364. Collected July 25, 1977. Mt. Strizhament plateau, 40km south of Stavropol. 800m. Plants to 70cm tall. Stems fine. Leaves fine. Wild. Seed.
440375. D-1420. Collected July 26, 1977. Sheep and Goat Institute Farm, 52km southeast of Stavropol. 500-600m. Virgin steppe with rich mixture of grasses and legumes. Plants to 50cm tall. Stems fine. Leaves fine. Seeds small. Wild. Seed.
440376. D-1466. Collected July 27, 1977. Division 1, Sheep and Goat Institute Farm, 44km E of Stavropol, Yankul area. 500m. Predominant grass in area but not readily eaten by sheep. Wild. Seed.
440377. D-1562. Collected July 29, 1977. Victory Collective Farm near Svetlograd, about 80km east of Stavropol. 250m. Wild. Seed.
440378. D-1609. Collected July 31, 1977. Stavropol Agricultural Institute Farm, 2km from Shpakovskoye Village. 300-350m. Dry hillside. Wild. Seed.
440379. D-1619. Collected August 01, 1977. Southeast 35km of Svetlograd, near Gofitskoye Village. Sandy knolls and moist ravines. Wild. Seed.
440380. D-1639. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Clearings and on edge of woods. Wild. Seed.
440381. D-1694. Collected August 04, 1977. Near Dubovai Balka Village between Stavropol and Pyatagorsk. Dry-saline, sage brush area. Wild. Seed.
440382. D-1818. Collected August 10, 1977. Grove of trees, Shorthandy Institute. Wild. Seed.
440383. D-1842. Collected August 11, 1977. Shorthandy Dendrology Park. Wild. Seed.
440384. D-1912. Collected August 14, 1977. Near Medeo Ice-

440366 TO 440387-continued

skating Arena, 15km south of Alma Ata. 1780m. Wild. Seed.

440385. D-2091. Collected August 22, 1977. Roadside, boundary between Dzhabul and Chinkent Oblasts. 1200m. Wild. Seed.

440386. D-2117. Collected August 24, 1977. Orchard area, Victory Collective Farm, 75km E of Chinkent, then 3km north. Plants to 30cm tall. Wild. Seed.

440387. D-2195. Collected August 26, 1977. Dry slope, low mountains, 25km southeast of Victory Collective Farm. 1400m. Wild. Seed.

440388. *Festuca valesiaca* Schleich. ex Gaud. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-45. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. Transplanted from River Malyi Zelenchyk. Wild. Seed.

440389. *Fimbristylis acicularis* R. Br. (Cyperaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1651. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Plants small, somewhat shrubby. Fruits inedible. Received as *Iriha australis*. Tree. Wild. Seed.

440390. *Fraxinus pennsylvanica* Marsh. (Oleaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1853. Soviet Union. Dendrology Park, Shorthandy Institute. Collected August 11, 1977. Originally from Voronezh district. Plants small. Tree. Seed.

440391 TO 440395. *Galium ruthenicum* Willd. (Rubiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,

440391 TO 440395-continued

Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440391. D-2150. Collected August 25, 1977. Dry ravine, 25km NW of Victory Collective Farm, 75km east of Chinkent. 770m. Stems woody, fine, to 50cm tall. Wild. Seed.
440392. D-2160. Collected August 25, 1977. Dry hillside, 35km NW of Victory Collective Farm, 75km east of Chinkent. Stems woody, fine, to 50cm tall. Wild. Seed.
440393. D-2171. Collected August 25, 1977. Low mountains, 45km NW of Victory Collective Farm, 75km east of Chinkent. 1000m. Dry, open slope. Stems woody, fine, to 50cm tall. Wild. Seed.
440394. D-2182. Collected August 25, 1977. Low mountains, 45km NW of Victory Collective Farm, 75km east of Chinkent. 1000m. Low ridge. Wild. Seed.
440395. D-2199. Collected August 26, 1977. Dry slope, low mountains, 25km SE of Victory Collective Farm. 1400m. Wild. Seed.

440396. *Geranium sanguineum* L. (Geraniaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-40. Soviet Union. Stavropol Botanical Garden.
Collected July 22, 1977. 640m. Plants to 30cm tall.
Flowers pink. Sets seed well. Wild. Seed.

440397. *Geranium* sp. (Geraniaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-1945. Collected August 15, 1977. Mt. Kok-Tube, on the outskirts of Alma Ata. 1180m. Seed heads in a cluster at top of stem. Seed stalks to 40cm tall. Perennial herb. Wild. Seed.

440398 TO 440399. *Glycyrrhiza glabra* L. (Fabaceae) Common licorice.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,

440398 TO 440399-continued

Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440398. D-1980. Collected August 17, 1977. Two km south of Trudovoi Pajari Collective Farm Village. Near village pond. Plants bushy, to 75cm. Wild. Seed.

440399. D-2036. Collected August 18, 1977. Mouin-Kum Sands, about 50km east of Dzhambul, then 55km north in the dunes. Trudovoi Pajari Farm camp area, in wet bottom land. Wild. Seed.

440400 TO 440401. Glycyrrhiza sp. (Fabaceae).

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440400. D-1815. Collected August 10, 1977. Near river, Shorthandy Institute. Plants bushy, to 60cm tall. Forage and medicinal value. Wild. Seed.

440401. D-1937. Collected August 14, 1977. Between Alma Ata and Medeo. 1200m. Plants to 1.2m tall. Pods smooth. Wild. Seed.

440402. Gypsophila globulosa Stev. (Caryophyllaceae).

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-112. Collected July 28, 1977. Eshpagin Uplands' sands and dunes. 400m. Plants to 30cm tall. Wild. Seed.

440403. Gypsophila paniculata L. (Caryophyllaceae).

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-155. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 510m. Plants to 40cm tall, scattered with other herbs, not abundant. Wild. Seed.

440404. *Hedysarum* sp. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2170. Collected August 25, 1977. Low mountains, 45km NW of Victory Collective Farm, about 75km E of Chinkent. 1000m. Dry open slope. Plants to 50cm tall. Wild. Seed.

440405. *Helichrysum arenarium* (L.) Moench (Asteraceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-132. Collected July 28, 1977. Sandy area, Beshpagin Uplands. 400m. Plants to 18cm tall, spread underground. Said to be good for liver ailments. Wild. Seed.

440406. *Heliotropium arguzioides* Kar. & Kir. (Boraginaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2022. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhambul, then 50km north into the dunes. Plants bushy, to 40cm tall. Wild. Seed.

440407 TO 440408. *Heracleum asperum* Bieb. (Apiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440407. P-168. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 510m. Plants to 1 m tall. Forage for livestock. Wild. Seed.

440408. P-170. Collected July 31, 1977. Stavropol Institute Farm, 2km from Shpakovskoye Village. 300m. Plants to 80cm tall. Basal leaves large. Wild. Seed.

440409 TO 440411. *Heracleum mantegazzianum* Scop. & Levier (Apiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,

440409 TO 440411-continued

Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440409. P-30. Soviet Union. Stavropol Botanical Garden.
Collected July 21, 1977. Transplanted from Stanitza
Upsravnoe. 600m. Plants very large, up to 3m tall.
Considered as cattle feed or silage. Cold tolerant.
Cultivated. Seed.

440410. P-39. Soviet Union. Stavropol Botanical Garden.
Collected July 21, 1977. From Caucas Mountains. Plants to
3m tall. Recommended as cattle feed or silage. Cultivated.
Seed.

440411. P-77. Collected July 25, 1977. Mt. Strizhament. Plants
to 2m. Culms large. Heavy seed producer. Eaten by cattle.
Wild. Seed.

440412. Heracleum sp. (Apiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-1918. Collected August 14, 1977. Near Medeo Ice-
skating Arena, 15km south of Alma Ata. 1780m. Growing on
steep, ungrazed hillsides. Seed stalks pithy, large, to
2m tall, with large cluster of seeds at top. Wild. Seed.

440413 TO 440414. Hordeum bogdanii Wilensky (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440413. D-1975. Collected August 17, 1977. Wet area, 2km south
of Trudovoi Pajari Collective Farm Village. Plants 75-
90cm tall. Self-fertile. Wild. Seed.

440414. D-1984. Collected August 17, 1977. Roadside, 8km E of
Trudovoi Pajari Farm Village, about 40km NE of Dzhambul.
Plants to 75cm tall. Self-fertile. Wild. Seed.

440415 TO 440418. Hordeum bulbosum L. (Poaceae) Eulbous barley.

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &

440415 TO 440418-continued

Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440415. D-2102. Collected August 23, 1977. Sverdlov Collection Farm, about 30km east of Chinkent. 600m. Wild. Seed.
440416. D-2113. Collected August 24, 1977. Orchard area, Victory Collective Farm, 75km east of Chinkent and 3km north. Plants to 1.4m tall. Wild. Seed.
440417. D-2127. Collected August 24, 1977. Dry ravine, Victory Collective Farm, 75km east of Chinkent, then 15km NE. Plants large, to 1.5m tall. Wild. Seed.
440418. D-2166. Collected August 25, 1977. Low mountains, 45km northwest of Victory Collective Farm Headquarters. 1000m. Dry, open slope. Wild. Seed.

440419 TO 440420. *Hordeum violaceum* Boiss. & Hohen. ex Boiss (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440419. D-1309. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. Indigenous to Stavropol Kray in subalpine areas. Cultivated. Seed.
440420. D-1730. Collected August 07, 1977. Waste places and roadsides in downtown Tselinograd. Common. Wild. Seed.

440421. *Inula aspera* Poir. (Asteraceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-154. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 510m. Plants to 30cm tall. Wild. Seed.

440422. *Inula germanica* L. (Asteraceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-145. Collected July 29, 1977. Victory Collective Farm,

440422-continued

186km southeast of Stavropol. 270m. Plants to 20cm tall.
Reputed medicinal value. Wild. Seed.

440423. *Inula helenium* L. (Asteraceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-1964. Collected August 16, 1977. Kazakhstan Institute
of Agricultural Farming, near Alma Ata. Leaves large,
tobacco-like. Seed stalks to 2m tall. Roots used for
medicinal purposes. Perennial herb. Cultivated. Seed.

440424. *Iris spuria* subsp. *halophila* (Pall.) D. A. Webb & Chater
(Iridaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-1717. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Stavropol region, near
Lake Sengeelivskaya. Wild. Seed.

440425. *Iris spuria* subsp. *notha* (Bieb.) Aschers. & Graebner
(Iridaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-1716. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Stavropol region, near
Yankuli Village. Wild. Seed.

440426 TO 440431. *Iris pumila* L. (Iridaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440426. D-1720. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Kertch peninsula, near
Yunkina Village lighthouse. Wild. Seed.

440426 TO 440431-continued

440427. D-1721. Soviet Union. Stavropol Botanical Garden. Collected August 05, 1977. From Stavropol region, near Georgievsk Village. Wild. Seed.
440428. D-1722. Soviet Union. Stavropol Botanical Garden. Collected August 05, 1977. From Stavropol region, Mt. Maschuk near Pyatagorsk. Wild. Seed.
440429. D-1723. Soviet Union. Stavropol Botanical Garden. Collected August 05, 1977. From Stavropol city limits. Wild. Seed.
440430. D-1724. Soviet Union. Stavropol Botanical Garden. Collected August 05, 1977. From Askania-Nova Preserve. Wild. Seed.
440431. D-1725. Soviet Union. Stavropol Botanical Garden. Collected August 05, 1977. From Stavropol region, near Yankuli Village. Wild. Seed.

440432 TO 440433. *Iris songarica* Schrenk (Iridaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440432. D-2106. Collected August 23, 1977. Sverdlov Collective Farm, about 30km east of Chinkent. 600m. Dry, heavily grazed hillside. Leaves to 40cm long. Wild. Seed.
440433. D-2190. Collected August 26, 1977. Low mountains, about 25km SE of Victory Collective Farm Headquarters. 1400m. Flowers blue. Wild. Seed.

440434 TO 440439. *Iris* sp. (Iridaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440434. D-1719. Soviet Union. Stavropol Botanical Garden. Collected August 05, 1977. From Altai, Novosibirsk Botanical Garden. Received as *Iris cloudousii*. Cultivated. Seed.
440435. D-1765. Collected August 08, 1977. Seiphulin Collective Farm, 25km north of Tselinograd. Leaves to 40cm long. Not grazed by cattle. Wild. Seed.

440434 TO 440439-continued

440436. D-1771. Collected August 08, 1977. Baratskaya ravine on Seiphulin Farm, 50km north of Tselinograd. Leaves to 50cm long. Wild. Seed.
440437. D-1794. Collected August 09, 1977. "18 Years of Kazakhstan" Collective Farm, 40km west of Shorthandy. Ravine closest to farm headquarters. Leaves to 40cm long. Wild. Seed.
440438. D-1982. Collected August 17, 1977. Two km south of Trudovoi Pajari Collective Farm Village. Dry hillside near village pond. Leaves to 60cm long. Wild. Seed.
440439. D-2006. Collected August 17, 1977. Dry side road, 15km east of Trudovoi Pajari Collective Farm. Leaves to 1 m long. Wild. Seed.

440440. *Iris tenuifolia* Pall. (Iridaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2037. Collected August 18, 1977. Mouin-Kum Sands, 50km east of Dzhabul, then 55km north. Wet bottom land. Leaves to 30cm long. Wild. Seed.

440441. *Juncus gerardii* Loisel (Juncaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2081. Collected August 22, 1977. Along stream, about 35km from Dzhabul toward Chinkent in low mountains. 900m. Plants to 1 m tall. Wild. Seed.

440442. *Juniperus communis* L. (Cupressaceae) Common juniper.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1851. Soviet Union. Dendrology Park, Shorthandy Institute. Collected August 11, 1977. Originally from Kubyschuv in European Russia. Plants to 2m tall. Fruits

440442-continued

used in pickling. Seed.

440443. *Kitaibelia vitifolia* Willd. (Malvaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1965. Soviet Union. Kazakhstan Institute of Agricultural Farming. Collected August 16, 1977. Plants to 1.5m tall. High protein content (15-16%). Being tested as a silage crop. Perennial herb. Cultivated. Seed.

440444 TO 440448. *Kochia* sp. (Chenopodiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440444. D-1786. Collected August 09, 1977. "18 Years of Kazakhstan" Collective Farm, 40km west of Shorthandy. Ravine closest to headquarters. Stems slender, erect, 30 to 40cm tall. Seeds small, black. Wild. Seed.

440445. D-1791. Collected August 09, 1977. "18 Years of Kazakhstan" Collective Farm, 40km west of Shorthandy. Ravine closest to headquarters. Stems erect, 40 to 50cm tall. Seed relatively large. Wild. Seed.

440446. D-1796. Collected August 09, 1977. "18 Years of Kazakhstan" Collective Farm, 40km west of Shorthandy. Ravine closest to headquarters. Stems fine, erect, 30 to 40cm tall. Seeds relatively large. Wild. Seed.

440447. D-1797. Collected August 09, 1977. "18 Years of Kazakhstan" Collective Farm, 40km west of Shorthandy. Ravine 2. Stems slender, erect, to 30cm tall. Seeds small, black. Wild. Seed.

440448. D-1823. Collected August 10, 1977. Virgin land of the Grain Institute, about 20km SE of Shorthandy. 410m. Stems slender, erect, to 30cm tall. Seeds small, black. Wild. Seed.

440449. *Koeleria glauca* DC. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest &

440449-continued

Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-1477. Collected July 28, 1977. Beshpagin hills, about 50km east of Stavropol. 400m. Bunch type. Stems to 60cm tall. Wild. Seed.

440450 TO 440456. *Koeleria gracilis* Pers. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440450. D-1315. Collected July 21, 1977. Blagodatnoe Village, Petrovskiy region in Stavropol Kray. Presented by D.S. Dsikov. Wild. Seed.

440451. D-1316. Collected July 21, 1977. Petropaulovskoye Village, Arsgir region of Stavropol Kray. Presented by D.S. Dsikov. Wild. Seed.

440452. D-1317. Collected July 21, 1977. On sandy soil in Shpakovskoye region, Stavropol Kray. Presented by D.S. Dsikov. Wild. Seed.

440453. D-1561. Collected July 29, 1977. Sandy-rock soil, Victory Collective Farm, about 80km east of Stavropol. 250m. Wild. Seed.

440454. D-1614. Collected August 01, 1977. Lenin Collective Farm, 90km east of Stavropol, 14km NW of Svetlograd. 300m. Wild. Seed.

440455. D-1640. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Clearings and around edge of woods. Wild. Seed.

440456. D-2197. Collected August 26, 1977. Dry slopes, low mountains about 25km SE of Victory Collective Farm Hdqs. 1400m. Wild. Seed.

440457 TO 440458. *Koeleria luerssenii* Domin. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440457. D-1358. Collected July 25, 1977. Mt. Stizhament plateau, about 40km south of Stavropol. 800m. Open meadow at the

440457 TO 440458-continued

top. Culms to 1 m tall. Found only in the Caucasus region.
Wild. Seed.

440458. D-1688. Collected August 03, 1977. Downtown Pyatagcrsk
on ungrazed area near gas station. 500m. Bunch type.
Culms to 40cm tall. Wild. Seed.

440459. *Lapsana communis* L. (Asteraceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-83. Collected July 25, 1977. Shade, Mt. Strizhament.
Plants to 80cm tall. Wild. Seed.

440460 TO 440462. *Lathyrus hirsutus* L. (Fabaceae) Fough peavine.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440460. D-1323. Soviet Union. Stavropol Botanical Garden.
Collected July 22, 1977. Transplanted from dry steppes by
Sengileevskoye Lake, 15km from Stavropol. 400m. Annual.
Wild. Seed.

440461. D-1413. Collected July 26, 1977. Sheep & Goat Institute
Farm, about 52km southeast of Stavropol. 500-600m. Rare.
Annual. Wild. Seed.

440462. D-1467. Collected July 27, 1977. Division 1, Sheep &
Goat Institute Farm, Yankul area. 500m. Annual. Wild.
Seed.

440463 TO 440464. *Lathyrus* sp. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440463. D-1782. Collected August 09, 1977. Roadside, 52km north
of Tselinograd. Decumbent growth. Stems 50-60cm long.
Annual. Wild. Seed.

440464. D-1876. Collected August 14, 1977. Steep, ungrazed
hillsides, Medeo ice-skating arena, 15km south of Alma

440463 TO 440464-continued
Ata. 1680m. Wild. Seed.

440465 TO 440469. *Lathyrus tuberosus* L. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440465. D-1345. Collected July 22, 1977. Dendrology Park,
Stavropol Botanical Garden. Wild. Seed.
440466. D-1412. Collected July 26, 1977. Sheep & Goat Institute
Farm, 52km southeast of Stavropol. 500-600m. Tuberosus.
Perennial herb. Wild. Seed.
440467. D-1604. Collected July 31, 1977. Two km from
Shpakovskoye Village, 12km east of Stavropol. 300-350m.
Near pond. Tuberosus. Spreads rapidly. Perennial herb.
Wild. Seed.
440468. D-1679. Collected August 03, 1977. Mt. Nedryemanya,
about 30km south of Stavropol. 500m. Wild. Seed.
440469. D-1904. Collected August 14, 1977. Near Medeo ice-
skating arena, 15km south of Alma Ata. 1760m. Wild. Seed.

440470 TO 440471. *Lavatera thuringiaca* L. (Malvaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440470. P-52. Collected July 22, 1977. Stavropol Botanical
Garden. Plants to 50cm tall. Wild. Seed.
440471. P-108. Collected July 26, 1977. Division 5, Sheep & Goat
Institute Farm. 500m. Plants to 70cm tall. Wild. Seed.

440472 TO 440473. *Linum austriacum* L. (Linaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440472. P-93. Collected July 26, 1977. Division 5, Sheep & Goat
Farm, Ravine 4, 52km SE of Stavropol. 550m. Plants to
30cm tall. Good seed producer. Wild. Seed.

440472 TO 440473-continued

440473. P-128. Collected July 28, 1977. Beshpagin Sands, 44km southeast of Stavropol. 400m. Plants to 40cm tall. Wild. Seed.

440474 TO 440475. *Lolium perenne* L. (Poaceae) Perennial ryegrass.

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440474. P-72. Collected July 25, 1977. Plain by River Zgarlik. 380m. Plants to 20cm tall. Wild. Seed.

440475. D-1569. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Very common in collection area. Wild. Seed.

440476 TO 440481. *Lotus caucasicus* Kupr. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440476. D-1340. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. Transplanted from Mt. Strizhament, 30km from Stavropol. 830m. Pods do not dehisce as readily as *L. corniculatus*. Wild. Seed.

440477. D-1346. Collected July 25, 1977. South Stavropol city limits in a moist meadow. 620m. Wild. Seed.

440478. D-1348. Collected July 25, 1977. Road to Mt. Strizhament, 12km south of Stavropol Botanical Garden. 450m. Shrubby, dry hillside. Wild. Seed.

440479. D-1468. Collected July 27, 1977. Division 1, Sheep & Goat Institute Farm, 44km east of Stavropol. 500m. Flowers yellow. Perennial herb. Wild. Seed.

440480. D-1579. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Very good site for seed production. Wild. Seed.

440481. D-1599. Collected July 31, 1977. Stavropol Agric. Institute Farm, 2km from Shpakovskoye Village. 300-350m. Hillside. Wild. Seed.

440482 TO 440485. *Lotus corniculatus* L. (Fabaceae) Birdsfoot trefoil.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440482. D-1741. Collected August 08, 1977. Roadside, high salt area, 30km north of Tselinograd. Plants prostrate. Wild. Seed.

440483. D-1754. Collected August 08, 1977. Northeast outskirts of Tselinograd. Plants prostrate. Wild. Seed.

440484. D-1978. Collected August 17, 1977. Wet area, 2km south of Trudovoi Pajari Collective Farm Village. Wild. Seed.

440485. D-1995. Collected August 17, 1977. Roadside, 8km E of Trudovoi Pajari Farm Village, about 40km NE of Dzhambul. Wild. Seed.

440486. *Lotus frondosus* Freyn. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-2073. Collected August 21, 1977. High saline area adjacent to Lake Komenoye, 25-30km SE of Dzhambul. Plants prostrate. Flowers red and yellow. Wild. Seed.

440487. *Lotus* sp. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-1. Collected July 20, 1977. Dendrology Park, Stavropol Botanical Garden. Leaves broad. Flowers yellow. Wild. Seed.

440488 TO 440489. *Malus* sp. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440488. D-1931. Collected August 14, 1977. Between Alma Alta and

440488 TO 440489-continued

Medeo. Fruits mostly small, yellow. Wild. Seed.

440489. D-1957. Collected August 15, 1977. Mt. Kok-Tube, outskirts of Alma Ata. 1050m. Single tree. Fruits small, yellow. Wild. Seed.

440490. *Marrubium praecox* Janka (Lamiaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-151. Collected July 29, 1977. Victory Collective Farm, 86km southeast of Stavropol. 270m. Plants to 10cm tall. Wild. Seed.

440491 TO 440495. *Medicago cancellata* Bieb. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440491. P-149. Collected July 29, 1977. Victory Collective Farm, 86km southeast of Stavropol. 270m. Sand among rocks and ledges. Plants to 30cm tall. Wild. Seed.

440492. D-1480. Collected July 28, 1977. Very sandy soil, Beshpagin hills, about 50km east of Stavropol. 400m. Flowers yellow. Pods coiled. Perennial herb. Wild. Seed.

440493. D-1532. Collected July 28, 1977. Beshpagin area, about 50km east of Stavropol. Wild. Seed.

440494. D-1566. Collected July 29, 1977. Victory Collective Farm near Svetlograd, about 80km E of Stavropol. 250m. Sand dunes. Plants large. Wild. Seed.

440495. D-1611. Collected August 01, 1977. Lenin Collective Farm, 90km E of Stavropol, 14km NW of Svetlograd. 300m. Sandy site, heavily grazed. Wild. Seed.

440496 TO 440517. *Medicago sativa* L. (Fabaceae) Alfalfa.

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440496 TO 440517-continued

440496. D-1626. Collected August 01, 1977. Roadside, 35km southeast of Svetlograd near Gofitskoye Village. Plants large. Flowers purple. Pods coiled. Wild. Seed.
440497. D-1643. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Possibly an escape from cultivation. Wild. Seed.
440498. D-1726. Collected August 07, 1977. Waste places and roadsides in downtown Tselinograd. Flowers purple. Wild. Seed.
440499. D-1942. Collected August 15, 1977. Mt. Kok-Tube on the outskirts of Alma Alta. 1180m. Pods with 2 to 3 coils. Received as subsp. *agropyretorum*. Wild. Seed.
440500. D-1966. Collected August 17, 1977. Along roadside, northeast of Dzhambul near the 15km road marker. Stems prostrate. Received as subsp. *agropyretorum*. Wild. Seed.
440501. D-1990. Collected August 17, 1977. Roadside, 8km E of Trudovoi Pajari Farm Village, about 40km NE of Dzhambul. Pods black. Received as subsp. *asiatica*. Wild. Seed.
440502. D-1991. Collected August 17, 1977. Roadside, 8km E of Trudovoi Pajari Farm Village, about 40km NE of Dzhambul. Received as subsp. *asiatica*. Wild. Seed.
440503. D-1992. 'Semiretchinsky'. Collected August 17, 1977. Roadside, 8km E of Trudovoi Pajari Farm Village, about 40km NE of Dzhambul. Commercial type. Cultivated. Seed.
440504. D-2005. Collected August 17, 1977. Fifteen km E of Trudovoi Pajari Collective Farm, 50km NE of Dzhambul. Along a dry side road. Pods small. Received as subsp. *agropyretorum*. Wild. Seed.
440505. D-2047. Collected August 19, 1977. Low mountains, Young Pioneer camp, about 40km SE of Dzhambul. 1080m. Dry hillside. Stems to 1 m tall. Received as subsp. *agropyretorum*. Wild. Seed.
440506. D-2052. Collected August 19, 1977. Near Taraz Hotel in Dzhambul. Wild. Seed.
440507. D-2080. Collected August 22, 1977. Roadside, 35km from Dzhambul toward Chinkent, in low mountains. 900m. Flowers purple. Received as subsp. *agropyretorum*. Wild. Seed.
440508. D-2095. Collected August 22, 1977. Along roadside, boundary between Dzhambul and Chinkent Chlasts. 1200m. Plants erect. Wild. Seed.

440496 TO 440517-continued

440509. D-2096. Collected August 22, 1977. Along roadside, boundary between Dzhabul and Chinkent Otklasts. 1200m. Single, prostrate plant. Wild. Seed.
440510. D-2097. Collected August 22, 1977. Along roadside, boundary between Dzhabul and Chinkent Otklasts. 1200m. Wild. Seed.
440511. D-2099. Collected August 22, 1977. Toward Dzhabul, 40km east of Chinkent. 680m. Wild. Seed.
440512. D-2104. Collected August 23, 1977. Grove of trees, Sverdlov Collective Farm, about 30km east of Chinkent. 600m. Plants prostrate. Wild. Seed.
440513. D-2118. Collected August 24, 1977. Victory Collective Farm, 75km E of Chinkent, then 3km N to an orchard. Plants erect. Wild. Seed.
440514. D-2119. Collected August 24, 1977. Victory Collective Farm, 75km E of Chinkent, then 3km N to an orchard. Plants prostrate. Wild. Seed.
440515. D-2130. Collected August 24, 1977. Dry ravine, Victory Collective Farm, 75km E of Chinkent, then 15km NE. Wild. Seed.
440516. D-2147. Collected August 25, 1977. Dry ravine, about 25km NW of Victory Collective Farm. 770m. Wild. Seed.
440517. D-2216. Collected August 26, 1977. Low mountains, about 25km SE of Victory Collective Farm Headquarters. 1400m. Low, dry hills. Wild. Seed.

440518 TO 440540. *Medicago sativa* subsp. *falcata* (L.) Arc. (Fabaceae).

From Soviet Union. Collected by D.B. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440518. P-58. Collected July 27, 1977. Twelve km south of Stavropol. 650m. Plants 15cm tall. Received as *M. romanica*. Wild. Seed.
440519. P-88. Collected July 26, 1977. Division 5, Sheep & Goat Farm, Ravine 4, 52km SE of Stavropol. 550m. Plants to 40cm tall. Seeds sparse. Received as *M. romanica*. Wild. Seed.
440520. P-158. Collected July 30, 1977. Mt. Nedryemanya, 30km

440518 TO 440540-continued

- south of Stavropol. 510m. Plants vigorous, to 35cm tall. Received as *M. romanica*. Wild. Seed.
440521. P-160. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 510m. Plants to 35cm tall. Seed production good. Received as *M. romanica*. Wild. Seed.
440522. D-1399. 'Kubanskaya'. Soviet Union. Stavropol Sheep and Goat Institute. Collected July 26, 1977. Received as *M. falcata*. Cultivated. Seed.
440523. D-1415. Collected July 26, 1977. Division 5, Ravine 4, Sheep & Goat Farm, 52km southeast of Stavropol. 500-600m. Flowers yellow. Pods sickle-shaped. Received as *M. romanica*. Perennial herb. Wild. Seed.
440524. D-1436. Collected July 26, 1977. Yankulskaya area of Sheep & Goat Institute, 52km SE of Stavropol. 400-430m. Arid site, heavy solentz soil. Rare. Received as *M. romanica*. Wild. Seed.
440525. D-1598. Collected July 31, 1977. Two km from Shpakovskoye Village, 12km east of Stavropol. 300-350m. Sandy hillside on Stavropol Agricultural Institute farm. Received as *M. romanica*. Wild. Seed.
440526. D-1625. Collected August 01, 1977. Near Gofitskoye Village, 35km southeast of Svetlograd. Flowers yellow. Pods sickle-shaped. Received as *M. romanica*. Wild. Seed.
440527. D-1642. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Received as *M. romanica*. Wild. Seed.
440528. D-1678. Collected August 03, 1978. Mt. Nedryemanya, about 30km south of Stavropol. 500m. Received as *M. romanica*. Wild. Seed.
440529. D-1687. Collected August 03, 1977. Downtown Pyatigorsk on ungrazed area near gas station. 500m. Received as *M. romanica*. Wild. Seed.
440530. D-1727. Collected August 07, 1977. Waste places and roadsides in downtown Tselinograd. Flowers yellow. Pods sickle-shaped. Received as *M. romanica*. Wild. Seed.
440531. D-1745. Collected August 08, 1977. Roadside, 32km north of Tselinograd. Flowers yellow. Pods short. Received as *M. falcata*. Wild. Seed.
440532. D-1755. Collected August 08, 1977. Northeast outskirts of Tselinograd. Received as *M. falcata*. Wild. Seed.

440518 TO 440540-continued

440533. D-1783. Collected August 09, 1977. "18-years of Kazakhstan" Collective Farm, 40km W of Shorthandy. Received as *M. falcata*. Wild. Seed.
440534. D-1811. Collected August 10, 1977. Shorthandy Institute, near the river. Received as *M. falcata*. Wild. Seed.
440535. D-1812. Collected August 10, 1977. Shorthandy Institute, in a gully near the river. Pods short. Received as *M. romanica*. Wild. Seed.
440536. D-1822. Collected August 10, 1977. Shorthandy Institute, in a grove of trees. Received as *M. falcata*. Wild. Seed.
440537. D-1897. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1740m. Flowers yellow. Received as *M. falcata*. Wild. Seed.
440538. D-1932. Collected August 14, 1977. Between Alma Alta and Medeo. 1200m. Pods straight or sickle-shaped. May be mixed population of diploid chromosome numbers 14 and 28. Received as *M. falcata*. Wild. Seed.
440539. D-1948. Collected August 15, 1977. Mt. Kok-Tube, on the outskirts of Alma Ata. 1150m. Pods straight or sickle-shaped. Received as *M. falcata*. Wild. Seed.
440540. D-1956. Collected August 15, 1977. Mt. Kok-Tube, on the outskirts of Alma Ata. 1180m. Received as *M. falcata*. Wild. Seed.

440541 TO 440543. *Medicago sativa* subsp. *x varia* (Martyn) Arc.
(Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440541. D-1855. Collected August 11, 1977. Dendrology Park of Shorthandy Institute. Plants large, erect. Flowers variegated. Received as *M. varia*. Wild. Seed.
440542. D-1856. Collected August 11, 1977. Dendrology Park of Shorthandy Institute. Plants unusually large. Stems over 1 m tall. Received as *M. varia*. Wild. Seed.
440543. D-1898. Collected August 14, 1977. Steep, ungrazed hillsides, near Medeo Ice-skating Arena, 15km S of Alma Ata. 1740m. Plants large. Flowers purple and yellow. Pods with one coil. Received as *M. tianschianica*. Wild. Seed.

440544. *Medicago* sp. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-135. Collected July 28, 1977. Beshpagin Uplands. Plants to 28cm tall. Possibly an annual. Wild. Seed.

440545. *Melica* sp. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1936. Collected August 14, 1977. Between Alma Ata and Medeo. 1200m. Wild. Seed.

440546 TO 440547. *Melica transsilvanica* Schur (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440546. D-1357. Collected July 25, 1977. Mt. Strizhament plateau about 40km south of Stavropol. 800m. Open meadow area at the mountain top. Plant reported to be poisonous. Wild. Seed.

440547. D-1641. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Clearings and around edges of the woods. Wild. Seed.

440548 TO 440551. *Melilotus alba* Medik. (Fabaceae) White sweetclover.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440548. D-1329. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. Transplanted in sod from Stavropol plateau. 600m. Wild. Seed.

440549. D-1737. Collected August 08, 1977. Roadside, 25km north of Tselinograd. Flowers white. Wild. Seed.

440550. D-1993. Collected August 17, 1977. Roadside, 8km east of

440548 TO 440551-continued

Trudovoi Pajari Farm Village, 40km NE of Dzhabul. Wild. Seed.

440551. D-2079. Collected August 22, 1977. Roadside, about 35km from Dzhabul toward Chinkent in low mountains. 900m. Flowers white. Wild. Seed.

440552. *Melilotus dentata* (Waldst. & Kit.) Pers. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1603. Collected July 31, 1977. Near pond, 2km from Shpakovskoye Village, 12km east of Stavropol. 300-350m. Plants similar to *M. officinalis* but leaves have toothed margins. Low in coumarin. Wild. Seed.

440553 TO 440564. *Melilotus officinalis* Lam. (Fabaceae) Yellow sweetclover.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440553. P-138. Collected July 29, 1977. Victory Collective Farm, 86km southeast of Stavropol. 270m. Plants to 1 m tall. Wild. Seed.

440554. D-1328. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. Transplanted in sod from Stavropol plateau. 600m. Wild. Seed.

440555. D-1479. Collected July 28, 1977. Very sandy soil, Beshpagin hills, about 50km east of Stavropol. 400m. Wild. Seed.

440556. D-1577. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Wild. Seed.

440557. D-1627. Collected August 01, 1977. Southeast 35km of Svetlograd, near Gofitskoye Village. Sandy knolls and moist ravines. Wild. Seed.

440558. D-1646. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Clearings and around the edges of the woods. Wild. Seed.

440559. D-1803. Collected August 10, 1977. Near railroad by

440553 TO 440564-continued

Shorhandy Institute. Wild. Seed.

440560. D-1878. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1680m. Steep, ungrazed hillside. Scarce. Wild. Seed.
440561. D-2048. Collected August 19, 1977. Streamside, Young Pioneer camp, 40km SE of Dzhabul in low mountains. 1080m. Wild. Seed.
440562. D-2093. Collected August 22, 1977. Roadside, boundary between Dzhabul and Chimkent Oblasts. 1200m. Wild. Seed.
440563. D-2131. Collected August 24, 1977. Dry ravine, Victory Collective Farm, 75km east of Chimkent, then 15km NE. Wild. Seed.
440564. D-2164. Collected August 25, 1977. Near stream, low mountains, 45km NW of Victory Collective Farm Headquarters. 1000m. Wild. Seed.

440565 TO 440566. *Muretia transitoria* Korovin (Apiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440565. D-2184. Collected August 25, 1977. Low mountains, about 45km northwest of Victory Collective Farm Headquarters. 1000m. Along a low ridge. Plants to 60cm tall. Flowers small, yellow. Perennial herb. Wild. Seed.
440566. D-2201. Collected August 26, 1977. Dry slope, low mountains, 25km SE of Victory Collective Farm Headquarters. 1400m. Plants to 50cm tall. Perennial herb. Wild. Seed.

440567. *Napaea dioica* L. (Malvaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1963. Soviet Union. Kazakhstan Institute of Agricultural Farming. Collected August 16, 1977. Originally from U.S. Plant to 3m tall. Stems coarse, somewhat like sugar cane. Being tested as silage crop. Received as synonym, *Sida hermaphrodita*. Perennial herb. Cultivated. Seed.

440568. *Onobrychis grandis* Lipsky (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2132. Collected August 24, 1977. Dry ravine, Victory Collective Farm, 75km east of Chinkent, then 15km NE. Plants to 60cm. Wild. Seed.

440569 TO 440573. *Onobrychis inermis* Stev. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440569. P-98. Collected July 26, 1977. Division 5, Ravine 4, Sheep & Goat Farm, 52km southeast of Stavropol. 550m. Plants to 40cm tall. Wild. Seed.

440570. P-169. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 510m. Plants to 30cm tall, palatable. Wild. Seed.

440571. D 1331. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. Transplanted in sod from the Stavropol plateau. 600m. Wild. Seed.

440572. D-1414. Collected July 26, 1977. Division 5, Ravine 4, Sheep & Goat Farm, 52km southeast of Stavropol. 500-600m. Perennial herb. Wild. Seed.

440573. D-1580. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Wild. Seed.

440574. *Onobrychis vassilczenkoi* Gracsh. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-57. Collected July 25, 1977. Twelve km south of Stavropol. 650m. Plants to 20cm tall. Seems to thrive in drier sites. Wild. Seed.

440575 TO 440577. *Onobrychis viciifolia* Scop. (Fabaceae) Sainfoin.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,

440575 TO 440577-continued

Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440575. D-1738. Collected August 08, 1977. Roadside, 25km north of Tselinograd. Plants to 50cm tall. Received as *O. sativa*. Wild. Seed.

440576. D-1784. Collected August 09, 1977. "18 Years of Kazakhstan" Collective Farm, 40km west of Shorthandy. Received as *O. sativa*. Wild. Seed.

440577. D-1800. Collected August 09, 1977. Roadside, 38km north of Tselinograd. Plants 60 to 80cm tall. Received as *O. sativa*. Wild. Seed.

440578. *Ononis arvensis* L. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-56. Collected July 25, 1977. Four km south of Stavropol Botanical Garden. 620m. Plants shrubby, appearing to spread underground. Wild. Seed.

440579 TO 440580. *Origanum tyttanthum* Gontsch. (Lamiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440579. D-2159. Collected August 25, 1977. Dry hillside, 35km NW of Victory Collective Farm Headquarters. Plants woody, fine-stemmed, to 60cm tall. Wild. Seed.

440580. D-2209. Collected August 26, 1977. Low mountains, about 25km SE of Victory Collective Farm Headquarters. 1400m. Moist slope. Plants to 50cm tall. Perennial woody. Wild. Seed.

440581 TO 440582. *Paeonia* sp. (Ranunculaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440581 TO 440582-continued

440581. D-1909. Collected August 14, 1977. Near Medeo Ice-Skating Arena, 15km south of Alma Ata. 1760m. Leaves compound. Seed stalks to 1 m tall. Seed heads aromatic. Seed pods large, coarse. May have ornamental value. Perennial herb. Wild. Seed.

440582. D-1916. Collected August 14, 1977. Near Medeo Ice-Skating Arena, 15km south of Alma Ata. 1780m. Leaves compound. Seed stalks to 1 m tall. Seed heads aromatic. Seed pods large, coarse, reddish. Possible ornamental value. Perennial herb. Wild. Seed.

440583. *Paeonia tenuifolia* L. (Ranunculaceae) Fringed peony.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-95. Collected July 26, 1977. Division 5, Ravine 4, Sheep & Goat Farm, 52km southeast of Stavropol. 550m. Wild. Seed.

440584 TO 440585. *Phalaris arundinacea* L. (Poaceae) Reed canarygrass.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440584. D-1827. Collected August 10, 1977. Roadside, about 25km southeast of Shorthandy. Wild. Seed.

440585. D-1828. Collected August 10, 1977. Meadow, 25km southeast of Shorthandy. Wild. Seed.

440586 TO 440594. *Phleum phleoides* (L.) Karst. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440586. D-1322. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. Transplanted from meadow sod at Karacheva-Cherkessia, near Stavropol. 610m. Wild. Seed.

440587. D-1335. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. Transplanted in sod from

440586 TO 440594-continued

Novomarjevskaya, 7 to 8km west of Stavropol. 550m. Wild. Seed.

440588. D-1341. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. Transplanted in sod from Mt. Strizhament, 30km from Stavropol. 830m. Wild. Seed.
440589. D-1355. Collected July 25, 1977. Mt. Strizhament plateau, about 40km south of Stavropol. 800m. Open meadow at mountain top. Wild. Seed.
440590. D-1421. Collected July 26, 1977. Division 5, Ravine 4, Sheep & Goat farm, 52km southeast of Stavropol. 500-600m. Culms to 1 m tall. Perennial herb. Wild. Seed.
440591. D-1471. Collected July 27, 1977. Division 3, Sheep & Goat Farm, 40km east of Stavropol. 600m. Shallow soil on rocky plateau. Wild. Seed.
440592. D-1570. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Wild. Seed.
440593. D-1637. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Clearing and around edge of woods. Wild. Seed.
440594. D-2204. Collected August 26, 1977. Moist slope in low mountains, 25km SE of Victory Collective Farm Hdqs. 1400m. Moist slope. Wild. Seed.

440595. *Phleum* sp. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1946. Collected August 15, 1977. Mt. Kok-Tube on the outskirts of Alma Ata. 1150m. Seed heads unusually long, to 15cm. Wild. Seed.

440596. *Poa bulbosa* L. (Poaceae) Bulbous bluegrass.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1606. Collected July 31, 1977. Two km from Shpakovskoye Village, 12km east of Stavropol. 300-350m. Dry hillside of a Stavropol Agricultural Institute farm.

440596-continued

Plants bulbous, small, 10 to 15cm tall. Perennial herb.
Wild. Seed.

440597 TO 440599. *Poa compressa* L. (Poaceae) Canada bluegrass.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440597. P-130. Collected July 28, 1977. Sandy area, Beshpagin
Uplands, 40km southeast of Stavropol. 400m. Plants to
20cm tall. Wild. Seed.

440598. D-1605. Collected July 31, 1977. Under trees, 2km from
Shpakovskoye Village, 12km east of Stavropol. 300-350m.
Under trees. Wild. Seed.

440599. D-1638. Collected August 02, 1977. Gofitskoye Woods,
40km southeast of Svetlograd. 300m. Clearings and around
edge of woods. Wild. Seed.

440600 TO 440609. *Poa pratensis* L. (Poaceae) Kentucky bluegrass.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440600. P-124. Collected July 28, 1977. Beshpagin sand dunes,
40km southeast of Stavropol. 400m. Plants to 16cm tall.
Wild. Seed.

440601. D-1678a. Collected August 03, 1977. st. Nedryemanya,
about 30km south of Stavropol. 500m. May be *P. compressa*.
Wild. Seed.

440602. D-1820. Collected August 10, 1977. Grove of trees,
Shorthandy Institute. Wild. Seed.

440603. D-1824. Collected August 10, 1977. Roadside, about 25km
southeast of Shorthandy. Plants to 50cm tall, non-
shattering. Wild. Seed.

440604. D-1843. Collected August 11, 1977. Shorthandy Dendrology
Park. Wild. Seed.

440605. D-1869. Collected August 12, 1977. Waste areas and under
trees, Gorky Amusement Park, Alma Ata. 600m. Plants to
40cm tall. Wild. Seed.

440600 TO 440609-continued

440606. D-1911. Collected August 14, 1977. Steep ungrazed hillsides, near Medeo Ice-Skating Arena, 15km S of Alma Ata. 1780m. Wild. Seed.
440607. D-2092. Collected August 22, 1977. Boundary between Dzhabul and Chimkent Oblasts along highway. 1200m. Wild. Seed.
440608. D-2116. Collected August 24, 1977. Orchard, Victory Collective Farm, 75km east of Chimkent, then 3km north. Plants to 50cm tall. Wild. Seed.
440609. D-2187. Collected August 26, 1977. Low mountains, 25km southeast of Victory Collective Farm Headquarters. 1400m. Meadow at mountain top. Wild. Seed.

440610 TO 440611. *Poa* sp. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440610. D-1752. Collected August 08, 1977. Northeast outskirts of Tselinograd. Plants to 60cm tall, rhizomatous. Wild. Seed.
440611. D-1928. Collected August 14, 1977. Between Alma Ata and Medeo. 1530m. Plants to 40cm tall. Wild. Seed.

440612. *Polygonum divaricatum* L. (Polygonaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-36. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. Woody vine. Cultivated. Seed.

440613. *Potentilla adenophylla* Boiss. & Hohen. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-147. Collected July 29, 1977. Victory Collective Farm, 86km southeast of Stavropol. 270m. Plants to 10cm tall.

440613-continued

Wild. Seed.

440614 TO 440615. *Potentilla argentea* L. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440614. P-126. Collected July 27, 1977. Division 1, Sheep & Goat Institute Farm. 400m. Plants to 15cm tall. Wild. Seed.

440615. D-2198. Collected August 26, 1977. Low mountains, about 25km southeast of Victory Collective Farm Headquarters. 1400m. Dry slope. Stems prostrate, to 40cm long. Wild. Seed.

440616 TO 440617. *Poterium polygamum* Waldst. & Kit. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440616. D-1398. Soviet Union. Stavropol Sheep & Goat Institute. Collected July 26, 1977. Wild. Seed.

440617. D-2139. Collected August 25, 1977. Dry ravine, Victory Collective Farm, 75km east of Chinkent, then 15km NE. Plants erect, to 50cm tall, perennial. Perennial herb. Wild. Seed.

440618. *Prunella vulgaris* L. (Lamiaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-68. Collected July 25, 1977. Mt. Strizhament. 800m. Flowers blue. Possible ornamental. Wild. Seed.

440619. *Prunus mahaleb* L. (Rosaceae) Mahaleb cherry.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-152. Collected July 24, 1977. Rocky area, Victory Collective Farm. 270m. Plant 0.7 to 3m tall. Drupes present. Grazed. Received as basionym, *Cerasus mahaleb*. Perennial woody. Wild. Seed.

440620. *Prunus padus* L. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1844. Soviet Union. Dendrology Garden, Shorthandy Institute. Collected August 11, 1977. Originally from Siberia. Fruits edible. Resembles chokecherry. Received as *Padus racemosa*. Seed.

440621 TO 440622. *Prunus sogdiana* Vassilcz. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440621. D-2218. Collected August 26, 1977. Hunting camp, 45km NW of Victory Collective Farm Headquarters. Fruit blue. Wild. Seed.

440622. D-2219. Collected August 26, 1977. Hunting camp, 45km NW of Victory Collective Farm Headquarters. Fruit yellow. Wild. Seed.

440623 TO 440627. *Psathyrostachys juncea* (Fisch.) Nevski (Poaceae)
Russian wildrye.

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440623. D-1407. 'Bozoiskii-3'. Soviet Union. Stavropol Sheep & Goat Institute. Collected July 26, 1977. Received as *Elymus juncea*. Cultivated. Cultivar. Seed.

440624. D-1810. Collected August 10, 1977. Near river, Shorthandy Institute. Plants to 1 m tall. Received as *Elymus juncea*. Wild. Seed.

440625. D-1833. Collected August 11, 1977. Sandy riverside, Shorthandy Institute Headquarters. Received as *Elymus juncea*. Wild. Seed.

440626. D-1835. Collected August 11, 1977. Sandy riverside,

440623 TO 440627-continued

Shorthand Institute Headquarters. Plants to 60cm tall, nonshattering. Received as *Elymus juncea*. Wild. Seed.

440627. D-1938. 'Bozoisky'. Collected August 15, 1977. Alma Ata. Presented by Dr. Bekmakhamedev. Received as *Elymus juncea*. Cultivated. Cultivar. Seed.

440628. *Puccinellia distans* (L.) Parl. (Poaceae) Weeping alkaligrass.

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2071. Collected August 21, 1977. Saline area, adjacent to Lake Komenoye, 25-30km SE of Dzhabul. Bunch type. Plants to 40cm tall. Wild. Seed.

440629 TO 440630. *Pyrus communis* L. (Rosaceae) Pear.

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440629. P-53. Collected July 23, 1977. Ravine in Stavropol Park. Plants somewhat shrubby. Fruits hard, small. May have ornamental value. Tree. Wild. Seed.

440630. P-110. Collected July 27, 1977. East slope of Yankulyski area, 56km southeast of Stavropol. 400m. Plants somewhat shrubby. Sheep browse heavily. Tree. Wild. Seed.

440631 TO 440632. *Pyrus* sp. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440631. D-1652. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Fruits moderate sized, typically pear-shaped. Tree. Wild. Seed.

440632. D-1653. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Fruits round, small. Tree. Wild. Seed.

440633 TO 440634. *Rhamnus catharticus* L. (Rhamnaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440633. D-1847. Soviet Union. Dendrology Park, Shorthandy Institute. Collected August 11, 1977. Originally from Altai region. Shrub to 2m tall. Perennial woody. Seed.

440634. D-2210. Collected August 26, 1977. Low mountains, about 25km SE of Victory Collective Farm Headquarters. 1400m. Growing in a moist area. Plant small, shrubby. Tree. Wild. Seed.

440635. *Ribes diacantha* Pall. (Grossulariaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1846. Soviet Union. Dendrology Park, Shorthandy Institute. Collected August 11, 1977. Originally from Tselinograd Forest. Plants to 1.5m tall. Fruits inedible. Perennial woody. Seed.

440636 TO 440638. *Rosa canina* L. (Rosaceae) Dog rose.

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440636. P-49. Collected July 22, 1977. Stavropol Botanical Garden. 640m. Plants to 2.5m tall. Heavy hip producer. Wild. Seed.

440637. P-162. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 510m. Plants to 1.2m tall. Heavy hip producer. Perennial woody. Wild. Seed.

440638. D-2124. Collected August 24, 1977. Orchard, Victory Collective Farm, 75km east of Chinkent, then 3km north. Plants to 2.5m tall. Thorns few, large. Fruits large, orange. Perennial woody. Cultivated. Seed.

440639. *Rosa kochiana* Koehne (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer,

440639-continued

Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-2137. Collected August 24, 1977. Dry ravine, Victory Collective Farm, 75km E of Chimkent, then 15km NE. Plants to 70cm tall. Thorns long, thin. Perennial woody. Wild. Seed.

440640 TO 440644. *Rosa* sp. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440640. D-1793. Collected August 09, 1977. "18-yrs. of Kazakhstan" Collective Farm, 40km west of Shorthandy. Ravine closest to farm headquarters. Bush to 1.5m tall, very thorny. Perennial woody. Wild. Seed.

440641. D-1891. Soviet Union. Stavropol Botanical Garden. Collected August 14, 1977. Transplanted from Mt. Strizhament. 1700m. Plants to 1.5m tall. Thorns large, few. Seed heads with sticky protrusions. Perennial woody. Wild. Seed.

440642. D-1907. Soviet Union. Stavropol Botanical Garden. Collected August 14, 1977. Transplanted from Mt. Strizhament. 1760m. Plants to 2m tall. Thorns large, few. Seed heads large, smooth. Perennial woody. Wild. Seed.

440643. D-1951. Collected August 15, 1977. Mt. Kok-Tube on outskirts of Alma Ata. 1180m. Thorns large. Fruits red. Wild. Seed.

440644. D-1952. Collected August 15, 1977. Mt. Kok-Tube on outskirts of Alma Ata. 1150m. Thorns large. Fruits dark purple. Wild. Seed.

440645 TO 440646. *Rosa spinosissima* L. (Rosaceae) Scotch rose.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440645. D-2050. Collected August 19, 1977. Streamside, Young Pioneer camp, 40km southeast of Dzhabul in low mountains. 1080m. Thorns large. Flowers white. Fruits very small. Wild. Seed.

440645 TO 440646-continued

440646. D-2082. Collected August 22, 1977. Streamside, about 35km from Dzhabul toward Chinkent in low mountains. 900m. Thorns large, few. Fruits very small. Wild. Seed.

440647 TO 440648. *Salvia deserta* Schang. (Lamiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440647. D-2121. Collected August 24, 1977. Orchard, Victory Collective Farm, 75km east of Chinkent, then 3km north. Plants to 80cm tall. Flowers purple. Not considered forage. Wild. Seed.

440648. D-2133. Collected August 24, 1977. Dry ravine, Victory Collective Farm, 75km east of Chinkent, then 15km NE. Plants to 50cm tall. Flowers purple. Wild. Seed.

440649 TO 440651. *Salvia tesquicola* Klok. & Pobedin. (Lamiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440649. P-61. Collected July 25, 1977. Plain, near Zgarlik River. 350m. Plants to 40cm tall. Wild. Seed.

440650. P-97. Collected July 26, 1977. Division 5, Ravine 4, Sheep & Goat Farm, 52km SE of Stavropol. 550m. Plants to 30cm tall. Possible ornamental value. Wild. Seed.

440651. P-143. Collected July 29, 1977. Victory Collective Farm, 186km southeast of Stavropol. 270m. Plants to 28cm tall. Wild. Seed.

440652. *Sanguisorba* sp. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1789. Collected August 09, 1977. Ravine, "18-yrs. of Kazakhstan" Collective Farm Hdgt., 40km W of Shorthandy. Stems slender, to 50cm tall. Seed heads round, purplish. Wild. Seed.

440653. *Scabiosa ochroleuca* L. (Dipsacaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1781. Collected August 09, 1977. Ravine, "18-yrs. of Kazakhstan" Collective Farm Hdgt., 40km W of Shorthandy. Plants erect, to 60cm tall. Stems slender. Flowers yellow. Seed heads globose. Perennial herb. Wild. Seed.

440654. *Secale kuprijanovii* Grossh. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1308. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. Originally from Hungary. Plant to 2.5m tall. Perennial herb. Cultivated. Seed.

440655. *Silene vulgaris* (Moench) Garcke (Caryophyllaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-85. Collected July 25, 1977. Mt. Strizhament. 800m. Plants to 30cm tall. Wild. Seed.

440656. *Silphium perfoliatum* L. (Asteraceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1962. Soviet Union. Kazakhstan Institute of Agricultural Farming. Collected August 16, 1977. Originally from the U.S. Plant sunflower-like, to 3m. Flowers yellow. Used for silage on an experimental basis. Perennial herb. Cultivated. Seed.

440657. *Spiraea japonica* L. f. (Rosaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest &

440657-continued

Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-28. Soviet Union. Stavropol Botanical Garden.
Collected July 21, 1977. 600m. Originally from Japan.
Used in hedge rows. Perennial woody. Cultivated. Seed.

440658. *Stachys officinalis* (L.) Trevisan (Lamiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-81. Collected July 25, 1977. Mt. Strizhament. Plants
to 40cm tall. Received as basionym, *Betonica officinalis*.
Wild. Seed.

440659. *Stachys germanica* L. (Lamiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-105. Collected July 27, 1977. Division 1, Sheep & Goat
Institute Farm. 400m. Plants to 30cm tall. Wild. Seed.

440660. *Stipa capillata* L. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-1573. Collected July 30, 1977. Mt. Nedryemanya, 30km
south of Stavropol. 500m. Bunch type. Plants light green,
to 1 m or more. Awns long. Very common in Stavropol
region. Wild. Seed.

440661. *Stipa caragana* Trin. (Poaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-2196. Collected August 26, 1977. Low mountains about
25km SE of Victory Collective Farm Headquarters. 1400m.

440661-continued

Meadow land at mountain top. Bunch type. Plants to 1 m tall. Panicles open. Received as *Lasiagrostis caragana*. Wild. Seed.

440662. *Stipa splendens* Trin. (Poaceae) Needle grass.

From Soviet Union. Collected by D.R. Dewey and A.F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1973. Collected August 17, 1977. Dry, heavily grazed area, near the 25km road marker NE of Dzhambul. Bunch type. Plants very large, to 2m tall. Stems coarse. Leaves stiffly erect. Eaten by livestock only in the early spring. Received as *Lysiagrostis splendens* s. Wild. Seed.

440663 TO 440664. *Teucrium polium* L. (Lamiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440663. P-119. Collected July 28, 1977. Beshpagin sand dunes, 40km southeast of Stavropol. 400m. Invades and stabilizes disturbed areas. Wild. Seed.

440664. P-182. Collected August 01, 1977. East 120km of Stavropol. Plants to 16cm tall. Wild. Seed.

440665 TO 440667. *Thymus pannonicus* All. (Lamiaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440665. P-140. Collected July 29, 1977. Ridge on Victory Collective Farm, 186km southeast of Stavropol. 270m. Plants to 6cm. Spreads vegetatively, used as ground cover. Wild. Seed.

440666. P-179. Collected August 01, 1977. Lenin Farm, 90km southeast of Stavropol. Plants to 8cm. Ground cover on exposed knoll. Wild. Seed.

440667. P-183. Collected August 01, 1977. Southeast 120km of Stavropol near Gofitskoye Village. Plants to 8cm. Wild. Seed.

440668. *Trichodesma incanum* Bunge (Boraginaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-2183. Collected August 25, 1977. NW 45km of Victory Collective Farm Headquarters, 75km E of Chinkent. 1000m. Stems semi-woody. Leaves thick, velvety, bluish. Perennial herb. Wild. Seed.

440669 TO 440670. *Trifolium alpestre* L. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440669. P-70. Collected July 25, 1977. Mt. Strizhament. Plants to 20cm. May be ornamental. Wild. Seed.

440670. D-1359. Collected July 25, 1977. Meadow on Mt. Strizhament plateau, 40km south of Stravropol. 800m. Leaves devoid of markings. Flowers red. Wild. Seed.

440671 TO 440717. *Trifolium ambiguum* Bieb. (Fabaceae) Kura clover.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440671. P-2. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. From Caucasus Mountains. Sod-former. Wild. Seed.

440672. P-3. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. From Stavropol, near Cherkessiya. 500m. Sod-former. Wild. Seed.

440673. P-4. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. From River Bolsho, Caucasus Mountains. 700m. High-producing strain. Wild. Seed.

440674. P-5. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. From Yankirele, Caucasus Mountains. 350m. Sod-former. Wild. Seed.

440675. P-6. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. From Nalchak, Caucasus Mountains. 500m. Sod-former, prolific. Wild. Seed.

440671 TO 440717-continued

440676. P-7. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. From Stanitza Pregrada locale, near Uryba River. 700-800m. Sod-former, productive. Wild. Seed.
440677. P-8. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. From Daut-Chalber in Caucasus Mountains. 1900m. Sod-former, production fair, one of better, high-elevation types. Wild. Seed.
440678. P-9. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. Observatory Mountain. 2000m. Sod-former, good producer. Wild. Seed.
440679. P-10. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. Near river in Caucasus Mountains. 1330m. Sod-former, good growth. Wild. Seed.
440680. P-11. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. Bakshns, near Mt. Elbruz. 1300m. Sod-former, good seed producer. Wild. Seed.
440681. P-12. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. From Stavropol area. 600m. Sod-former. Wild. Seed.
440682. P-13. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. From Marykhi, Caucasus Mountains. 1600m. Sod-former. Wild. Seed.
440683. P-14. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. From Mt. Patsykhova, near observatory. 2000m. Sod-former, low producer, appears to be diploid. Wild. Seed.
440684. P-15. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. From Mt. Elbruz. 1800m. Sod-former, good producer, appears to be tetraploid. Wild. Seed.
440685. P-16. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. From Teberda, near Dehamahad River. 1330m. Sod-former, fair producer. Wild. Seed.
440686. P-17. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. From Aksant in Caucasus Mountains. 1200m. Sod-former. Wild. Seed.
440687. P-18. Soviet Union. Stavropol Botanical Garden. Collected July 21, 1977. From river near Teberda in Caucasus Mountains. 1500m. Sod-former. Wild. Seed.
440688. P-19. Soviet Union. Stavropol Botanical Garden.

440671 TO 440717-continued

- Collected July 21, 1977. From Caucasus Mountains. 2200m.
Sod-former, alpine type. Wild. Seed.
440689. P-21. Soviet Union. Stavropol Botanical Garden.
Collected July 21, 1977. From Teberda, Caucasus Mountains.
2500m. Sod-former. Wild. Seed.
440690. P-22. Soviet Union. Stavropol Botanical Garden.
Collected July 21, 1977. Near Arkhis River. 1700m. Sod-
former, probably diploid. Wild. Seed.
440691. P-23. Soviet Union. Stavropol Botanical Garden.
Collected July 21, 1977. From near Arkhis Village. 1500m.
Sod-former, fair producer. Wild. Seed.
440692. P-24. Soviet Union. Stavropol Botanical Garden.
Collected July 21, 1977. From Teberda. 2500m. Sod-former,
probably diploid. Wild. Seed.
440693. P-25. Soviet Union. Stavropol Botanical Garden.
Collected July 21, 1977. From Caucasus Mountains. 2000m.
Sod-former, alpine type, fair producer, probably diploid.
Poor seed producer. Wild. Seed.
440694. P-26. Soviet Union. Stavropol Botanical Garden.
Collected July 21, 1977. From Cherkessiya, Stavropol Kray.
2050m. Sod-former, alpine type. Wild. Seed.
440695. P-27. Soviet Union. Stavropol Botanical Garden.
Collected July 21, 1977. From road to Teberda. 1100m. Sod-
former, high producer, probably tetraploid. Wild. Seed.
440696. P-60. Collected July 25, 1977. Mt. Strizhament. 800m.
Plants to 20cm tall. Spreads by vigorous rhizomes. Wild.
Seed.
440697. P-90. Collected July 26, 1977. Division 5, Ravine 4,
Sheep & Goat Farm, 52km SE of Stavropol. 510m. Plants to
15cm tall. Shade intolerant. Wild. Seed.
440698. D-1416. Collected July 26, 1977. Division 5, Ravine 4,
Sheep & Goat Farm, 52km SE of Stavropol. 500-600m.
Rhizomatous. Perennial herb. Wild. Seed.
440699. D-1644. Collected August 02, 1977. Gofitskoye Woods,
40km southeast of Svetlograd. 300m. Wild. Seed.
440700. D-1698. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Essentuki, Stavropol
District. 700m. Wild. Seed.
440701. D-1699. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Teberda, Mt. Malaja

440671 TO 440717-continued

- Hatipaza. 2350m. Wild. Seed.
440702. D-1700. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Karachaevo Cherkessija,
Maruka. 1700m. Wild. Seed.
440703. D-1701. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Kabardino-Balkariya,
Baxan. 1800m. Wild. Seed.
440704. D-1702. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Teterda, Mt. Malaja
Matipara. 2050m. Wild. Seed.
440705. D-1703. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Mt. Eeschpagiska,
Stavropol district. Wild. Seed.
440706. D-1704. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Kazmalinovskoe, Stavropol
district. Wild. Seed.
440707. D-1705. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Teberda Dyamagat. Wild.
Seed.
440708. D-1706. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Bezopasnoe, Stavropol
district. 80m. Wild. Seed.
440709. D-1707. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Mineralny Vody, Caucasus
Mountains. 1300m. Wild. Seed.
440710. D-1708. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Mt. Strizhament,
Stavropol. 800m. Wild. Seed.
440711. D-1709. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Kabardino-Balkariya
Nalchick. 500m. Wild. Seed.
440712. D-1710. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Karachaevo-Cherkessiya
Aksant. 1200m. Wild. Seed.
440713. D-1711. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Kabardino-Balkariya
Baxan, Mt. Cheget. 2830m. Wild. Seed.
440714. D-1712. Soviet Union. Stavropol Botanical Garden.
Collected August 05, 1977. From Karachaevo-Cherkessiya
Cherkessk. 780m. Wild. Seed.

440671 TO 440717-continued

440715. D-1713. Soviet Union. Stavropol Botanical Garden. Collected August 05, 1977. From Isobilnoe, Stavropol district. 200m. Wild. Seed.

440716. D-1714. Soviet Union. Stavropol Botanical Garden. Collected August 05, 1977. From Teberda. 1300m. Wild. Seed.

440717. D-1715. Soviet Union. Stavropol Botanical Garden. Collected August 05, 1977. From base of Mt. Elbruz Kabardino-Balkariya. Wild. Seed.

440718. *Trifolium arvense* L. (Fabaceae) Rabbit-foot clover.

From Soviet Union. Collected by D. R. Dewey and A. F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1695. Collected August 04, 1977. Dry, saline area, near Dubovai Balka Village betw. Stavropol and Pyatagorsk. Annual. Wild. Seed.

440719 TO 440722. *Trifolium aureum* Foll. (Fabaceae) Hop clover.

From Soviet Union. Collected by D. R. Dewey and A. F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440719. P-50. Soviet Union. Stavropol Botanical Garden. Collected July 27, 1977. Originally from Sengileevski Lake. 400m. Grows on slopes. Received as synonym *T. agrarium*. Annual. Seed.

440720. D-1418. Collected July 26, 1977. Hillsides, Division 5, Ravine 4, Sheep & Goat Farm, 52km SE of Stavropol. 500-600m. Among mixture of grasses and legumes. Flowers yellow. Received as synonym *T. agrarium*. Annual. Wild. Seed.

440721. D-1602. Collected July 31, 1977. Hillside near pond, 2km from Shpakovskoye Village, 12km east of Stavropol. 300-350m. Flowers yellow. Received as synonym *T. agrarium*. Annual. Wild. Seed.

440722. D-1696. Collected August 04, 1977. Near Dubobovai Balka Village, between Stavropol and Pyatagorsk. Growing in dry, saline, sage brush area. Flowers yellow. Received as synonym *T. agrarium*. Annual. Wild. Seed.

440723. *Trifolium campestre* Schreb. (Fabaceae) Large hop clover.

From Soviet Union. Collected by D. R. Dewey and A. F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-106. Collected July 27, 1977. East slope of Yankulyskii area. 400m. Plants to 12cm tall. Wild. Seed.

440724 TO 440726. *Trifolium diffusum* Ehrh. (Fabaceae).

From Soviet Union. Collected by D. R. Dewey and A. F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440724. D-1417. Collected July 26, 1977. Virgin steppe, Div. 5, Ravine 4, Sheep & Goat Farm, 52km SE of Stavropol. 500-600m. Plants tall. Annual. Wild. Seed.

440725. D-1629. Collected August 01, 1977. Near Gofitskoye Village, 35km southeast of Svetlograd. Annual. Wild. Seed.

440726. D-1645. Collected August 02, 1977. Gofitskoye Woods, 40km southeast of Svetlograd. 300m. Plants large. Annual. Wild. Seed.

440727 TO 440731. *Trifolium fragiferum* L. (Fabaceae) Strawberry clover.

From Soviet Union. Collected by D. R. Dewey and A. F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440727. P-54. Collected July 25, 1977. South edge of city, 4km from Stavropol Botanical Garden. 650m. Wild. Seed.

440728. D-1586. Collected July 30, 1977. Wet hillside on Mt. Nedryemanya, 30km south of Stavropol. 500m. Wild. Seed.

440729. D-1967. Collected August 17, 1977. Roadside in moist swale, NE of Dzhambul near the 15km roadmarker. Plants very low-growing, to 10cm. Seeds heads small. Wild. Seed.

440730. D-1994. Collected August 17, 1977. Roadside, 8km E. of Trudovoi Pajari Farm Village, about 40km NE of Dzhambul. Wild. Seed.

440731. D-2044. Collected August 19, 1977. A wet seep on slope of low mountains, 35km southeast of Dzhambul. 1050m. Wild. Seed.

440732 TO 440733. *Trifolium medium* L. (Fabaceae) Zig-zag clover.

From Soviet Union. Collected by D. R. Dewey and A. F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440732. P-47. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. From Caucasus Mountains. Flowers crimson. Wild. Seed.

440733. P-82. Soviet Union. Stavropol Botanical Garden. Collected July 25, 1977. Mt. Stizhament. 800m. Plants vigorous, to 20cm. Stems zig-zag. Wild. Seed.

440734. *Trifolium montanum* L. (Fabaceae).

From Soviet Union. Collected by D. R. Dewey and A. F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1330. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. Transplanted from Stavropol plateau. 600m. Wild. Seed.

440735. *Trifolium parvifolium* Ehrh. (Fabaceae).

From Soviet Union. Collected by D. R. Dewey and A. F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1472. Collected July 27, 1977. Division 3, Sheep & Goat Institute Farm, 40km east of Stavropol. 600m. Shallow soil on a rocky plateau. Plants low-growing. Annual. Wild. Seed.

440736 TO 440744. *Trifolium pratense* L. (Fabaceae) Red clover.

From Soviet Union. Collected by D. R. Dewey and A. F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440736. P-48. Collected July 22, 1977. Stavropol Botanical Garden. 650m. Plants to 25cm high. Flowers light pink. Agressive spreader. Wild. Seed.

440737. D-1600. Collected July 31, 1977. Two km from Shpakovskoye Village, 12km east of Stavropol. 300-350m.

440736 TO 440744-continued

Sandy hillside, Stavropol Agricultural Institute Farm.
Wild. Seed.

440738. D-1681. Collected August 03, 1977. Mt. Nedryemanya, about 30km south of Stavropol. 500m. Wild. Seed.
440739. D-1870. Collected August 12, 1977. Gorky Amusement Park, Alma Ata. 800m. Wild. Seed.
440740. D-1877. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1680m. Abundant. Wild. Seed.
440741. D-1899. Collected August 14, 1977. Near Medeo Ice-skating Arena, 15km south of Alma Ata. 1740m. Wild. Seed.
440742. D-1947. Collected August 15, 1977. Mt. Kok-Tube, on outskirts of Alma Ata. 1150m. Wild. Seed.
440743. D-2120. Collected August 24, 1977. Orchard, Victory Collective Farm, 75km E of Chinkent, then 3km N. Wild. Seed.
440744. D-2188. Collected August 26, 1977. Low mountains, 25km southeast of Victory Collective Farm Headquarters. 1400m. Wild. Seed.

440745 TO 440747. *Trifolium repens* L. (Fabaceae) White clover.

From Soviet Union. Collected by D. R. Dewey and A. P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440745. D-1601. Collected July 31, 1977. Two km from Shpakovskoye Village, 12km east of Stavropol. 300-350m. Wild. Seed.
440746. D-1680. Collected August 03, 1977. Mt. Nedryemanya, about 30km south of Stavropol. 500m. Wild. Seed.
440747. D-2189. Collected August 26, 1977. Low mountains, 25km northeast of Victory Collective Farm Headquarters. 1400m. Wild. Seed.

440748. *Trifolium rubens* L. (Fabaceae).

From Soviet Union. Collected by D. R. Dewey and A. P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440748-continued

P-32. Soviet Union. Stavropol Botanical Garden.
Collected July 21, 1977. 600m. Plants vigorous. Flowers
red. Possible ornamental. Cultivated. Seed.

440749. *Trifolium agrarium* L. (Fabaceae).

From Soviet Union. Collected by D. R. Dewey and A. F. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-31. Collected July 21, 1977. Stavropol Botanical
Garden. 600m. Plants to 20cm tall. Flowers yellow. Wild.
Seed.

440750. *Tulipa greigii* Regel (Liliaceae).

From Soviet Union. Collected by D. R. Dewey and A. P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-2135. Collected August 24, 1977. Dry ravine, Victory
Collective Farm, 75km E of Chinkent, then 15km NE. Plants
to 20cm tall. Wild. Seed.

440751. *Verbascum pyramidatum* Bieb. (Scrophulariaceae).

From Soviet Union. Collected by D. R. Dewey and A. F. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-71. Collected July 25, 1977. Mt. Stizhament. Plants to
60cm tall. Flowers yellow. Wild. Seed.

440752. *Calamagrostis epigeios* (L.) Roth (Poaceae).

From Soviet Union. Collected by D. R. Dewey and A. P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

P-41. Soviet Union. Stavropol Botanical Garden.
Collected July 22, 1977. From Mt. Strizhament, 30km from
Stavropol. 1500m. Plants tall, sod-forming, useful as
cover for disturbed areas. Wild. Seed.

440753 TO 440760. *Vicia cracca* L. (Fabaceae) Boreal vetch.

From Soviet Union. Collected by D. R. Dewey and A. P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440753. P-42. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. From Mt. Strizhament, 30km from Stavropol. 1500m. Rhizomatous. Grows well in association with grasses and shrubs. Wild. Seed.
440754. D-1583. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Plants large. Annual. Wild. Seed.
440755. D-1684. Collected August 03, 1977. Mt. Nedryemanya, 30km south of Stavropol. 500m. Plants large. Stems over 1 m long. Perennial herb. Wild. Seed.
440756. D-1763. Collected August 08, 1977. Near wet site of Seiphulin Collective Farm, 25km N. of Tselinograd. Single plant. Wild. Seed.
440757. D-1875. Collected August 14, 1977. Steep, ungrazed hillsides, near Medeo Ice-skating Arena, 15km S of Alta Ata. 1680m. Very Common. Wild. Seed.
440758. D-1894. Collected August 14, 1977. Steep, ungrazed hillsides, near Medeo Ice-skating Arena, 15km S of Alta Ata. 1720m. Plants very tall, to 2m. Wild. Seed.
440759. D-1905. Collected August 14, 1977. Steep, ungrazed hillsides, near Medeo Ice-skating Arena, 15km S of Alta Ata. 1760m. Wild. Seed.
440760. D-1943. Collected August 15, 1977. Mt. Kok-Tube, on the outskirts of Alma Ata. 1180m. Wild. Seed.

440761 TO 440762. *Vicia pannonica* Crantz (Fabaceae) Hungarian vetch.

From Soviet Union. Collected by D. R. Dewey and A. P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440761. P-164. Collected July 30, 1977. Mt. Nedryemanya. 510m. Plants to 30cm tall. Wild. Seed.
440762. D-1343. Soviet Union. Stavropol Botanical Garden. Collected July 22, 1977. From Lake Sengileevskoye, 15km from Stavropol. 400m. Annual. Wild. Seed.

440763 TO 440767. *Vicia sativa* subsp. *nigra* (L.) Ehrh. (Fabaceae)
Blackpod vetch.

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440763. D-1363. Collected July 25, 1977. A wet meadow at the
south Stavropol city limits. 620m. Annual. Wild. Seed.

440764. D-1410. Collected July 26, 1977. Division 5, Ravine 4,
Sheep & Goat Farm, 52km southeast of Stavropol. 500-600m.
Annual. Wild. Seed.

440765. D-1567. Collected July 29, 1977. Sandy-rocky soil,
Victory Collective Farm, 80km east of Stavropol. 250m.
Annual. Wild. Seed.

440766. D-1582. Collected July 30, 1977. Mt. Nedryemanya, 30km
south of Stavropol. 500m. Annual. Wild. Seed.

440767. D-1682. Collected August 03, 1977. Mt. Nedryemanya, 30km
south of Stavropol. 500m. Annual. Wild. Seed.

440768. *Vicia* sp. (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

D-1906. Collected August 14, 1977. Near Medeo Ice-
skating Arena, 15km south of Alma Ata. 1760m. Pods flat,
black. Wild. Seed.

440769 TO 440776. *Vicia tenuifolia* Roth (Fabaceae).

From Soviet Union. Collected by D.R. Dewey and A.P. Plummer,
Crops Research Lab., Utah State Univ. & Intermountain Forest &
Range Experiment Station, USDA, Logan and Ephraim, Utah.
Received February 1978.

440769. P-84. Collected July 25, 1977. Mt. Strizhament. Plants
to 30cm tall, hardy. Wild. Seed.

440770. P-92. Collected July 26, 1977. Division 5, Ravine 4,
Sheep & Goat Farm, 52km southeast of Stavropol. 550m.
Plants to 40cm tall. Wild. Seed.

440771. D-1361. Collected July 25, 1977. Mt. Strizhament
plateau, about 40km south of Stavropol. 800m. Open meadow

440769 TO 440776-continued

at the mountain top. Rhizomatous. Perennial herb. Wild. Seed.

440772. D-1362. Collected July 25, 1977. Mt. Strizhament plateau, about 40km south of Stavropol. 800m. Rhizomatous. Perennial herb. Wild. Seed.

440773. D-1408. Collected July 26, 1977. Division 5, Ravine 4, Sheep & Goat Farm, 52km southeast of Stavropol. 500-600m. Virgin steppe, rolling hillsides, with a rich mixture of grasses and legumes. Perennial herb. Wild. Seed.

440774. D-1683. Collected August 03, 1977. Mt. Nedryemanya, about 30km south of Stavropol. 500m. Perennial herb. Wild. Seed.

440775. D-2149. Collected August 25, 1977. Bottom of dry ravine, 25km northwest of Victory Collective Farm. 770m. Stems slender, prostrate, to 1 m long. Seed samples severely insect damaged. Perennial herb. Wild. Seed.

440776. D-2207. Collected August 26, 1977. Moist slope on low mountains, 25km SE of Victory Collective Farm Hdqs. Seeds samples severely insect damaged. Wild. Seed.

440777 TO 440779. *Vicia tetrasperma* (L.) Schreb. (Fabaceae) Sparrow vetch.

From Soviet Union. Collected by D. R. Dewey and A. P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440777. P-75. Collected July 25, 1977. Mt. Strizhament. Plants to 10cm tall. Wild. Seed.

440778. P-157. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. 510m. Plants to 40cm tall. Wild. Seed.

440779. D-1581. Collected July 30, 1977. Mt. Nedryemanya, 30km south of Stavropol. Reportly an annual. Wild. Seed.

440780. *Vicia villosa* Roth (Fabaceae) Hairy vetch.

From Soviet Union. Collected by D. R. Dewey and A. P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

D-1697. Collected August 04, 1977. Biennial. Wild. Seed.

440781. *Viola tricolor* L. (Violaceae).

From Soviet Union. Collected by D. R. Dewey and A. F. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

P-78. Collected July 25, 1977. Mt. Strizhament. Plants to 14cm tall. Wild. Seed.

440782 TO 440784. *Xeranthemum annuum* L. (Asteraceae).

From Soviet Union. Collected by D. R. Dewey and A. P. Plummer, Crops Research Lab., Utah State Univ. & Intermountain Forest & Range Experiment Station, USDA, Logan and Ephraim, Utah. Received February 1978.

440782. P-115. Collected July 28, 1977. Eshpagin Uplands sand dunes. 400m. Plants to 20cm tall. Flowers colorful. Wild. Seed.

440783. P-136. Collected July 29, 1977. Victory collective Farm, 85km southeast of Stavropol. 270m. Plants to 18cm tall. Flowers pink to purple. Seed production prolific. Wild. Seed.

440784. P-181. Collected August 01, 1977. Lenin Farm, 90km southeast of Stavropol. Plants to 24cm. Flowers pink. Seed production prolific. Wild. Seed.

440785 TO 440795. *Phaseolus acutifolius* A. Gray (Fabaceae) Tepary bean.

From Mexico. Collected by Gary Nabhan, Department of Plant Sciences, University of Arizona, Tucson, Arizona. Received March 1978.

440785. GN x475. Collected August 19, 1976. Agua Prieta, Sonora. Said to originate from Sinaloa. Rarely grown. Cultivated. Seed.

440786. GN x479. Collected August 1976. Agua Prieta, Sonora. Seeds white. Local name Tepari blanca. Cultivated. Seed.

440787. GN x482. Collected August 1976. Bavispe watershed, Bavispe, Sonora. Market. Seeds white. Cultivated. Seed.

440788. GN x486. Collected August 21, 1976. Huachinera, Sonora, near Rio Bavispe. Lat. 30 deg. N, Long. 109 deg. 50' W. Seeds white. Cultivated. Seed.

440789. GN x499. Collected August 22, 1976. Moctezuma watershed, Moctezuma, Sonora. Market. Cultivated. Seed.

440785 TO 440795-continued

440790. GN x509. Collected August 24, 1976. Rebeico, Sonora. Planted March, harvested June. Cultivated. Seed.
440791. GN x512. Collected August 25, 1976. Rio Sonora floodplain, Bavispe, Sonora. Small-scale cultivation. Cultivated. Seed.
440792. GN x513. Collected August 25, 1976. Rio Sonora floodplain, Bavispe, Sonora. Small-scale cultivation. Cultivated. Seed.
440793. GN x514. Collected August 25, 1976. Near Rio Sonora, Arispe, Sonora. Small-scale cultivation. Cultivated. Seed.
440794. GN x518. Collected August 26, 1976. Imuris, Sonora. Market. Cultivated. Seed.
440795. GN x623a. Papago Indian Village, northeast Sonora. Cultivated. Seed.

440796 TO 440797. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From Mexico. Collected by Gary Nabhan, Department of Plant Sciences, University of Arizona, Tucson, Arizona. Received March 1978.

440796. FN -1. Arizona-Sonora, Mexico bordertown market. Local name frijol negro. Cultivated. Seed.
440797. GN x623b. Papago Indian Village, northeast Sonora. Locally referred to as "pinks". Cultivated. Seed.

440798 TO 440806. *Phaseolus acutifolius* A. Gray (Fabaceae) Tepary bean.

From United States. Collected by Gary Nabhan, Department of Plant Sciences, University of Arizona, Tucson, Arizona. Received March 1978.

440798. GN x527. Collected October 01, 1976. Fresnal Village, Papago Reservation, Pima County, Arizona. Bush. Seeds white. Local name bawi. Received as var. *latifolius*. Cultivated. Seed.
440799. GN x528. Collected October 01, 1976. Fresnal Village, Papago Reservation, Pima County, Arizona. Bush. Seeds brown. Local name bawi. Received as var. *latifolius*. Cultivated. Seed.
440800. GN x529. Collected October 02, 1976. Casa Blanca, Gila River Reservation, Pinal County, Arizona. Market. Seeds

440798 TO 440806-continued

white and brown. Received as var. *latifolius*. Cultivated. Seed.

440801. GN x537. Collected October 1976. Kohadk, Papago Indian Reservation, Pinal County, Arizona. Floodwater farmed. Local name pawi or bavf. Cultivated. Seed.

440802. GN x587. Collected October 1976. Kohadk, Papago Indian Reservation, Pinal County, Arizona. Irrigation farmed. Seeds orange-brown. Local name soam pawi or kavf. Cultivated. Seed.

440803. GN x621. Collected October 1976. Three Points Market, Robles Junction, Pima County, Arizona. Cultivated. Seed.

440804. GN x622. Collected October 1976. Sells, Papago Indian Reservation, Pima County, Arizona, Market. Seeds orange-brown. Local name soam-pawi. Cultivated. Seed.

440805. GN x624. Collected October 1976. Santan, Pima Indian Village, Gila River Indian Reservation, Arizona. Local name bavf. Cultivated. Seed.

440806. GN x625. Collected October 1976. Papago Indian Reservation, Arizona. Local name pawi. Cultivated. Seed.

440807 TO 440808. *Phaseolus lunatus* L. (Fabaceae) Lima bean.

From United States. Collected by Gary Nabhan, Department of Plant Sciences, University of Arizona, Tucson, Arizona. Received March 1978.

440807. GN x580. Komatke-St. Johns, Gila River Reservation, Arizona. Rare, old cultivar. Root-knot nematode resistant. Local name Howur. Cultivated. Seed.

440808. GN x613. Collected January 26, 1977. Between Santan and Blackwater, Gila River Reservation, Arizona. Root-knot nematode resistant. Local name Howur. Cultivated. Seed.

440809 TO 440813. Undetermined (Fabaceae).

From United States. Collected by Gary Nabhan, Department of Plant Sciences, University of Arizona, Tucson, Arizona. Received March 1978.

440809. GN x453. Collected September 25, 1976. Campbell Farm, University of Arizona, Tucson. Received as *Phaseolus acutifolius* var. *tenuifolius*. Wild. Seed.

440810. GN x521. Collected September 18, 1976. Steep slope,

440809 TO 440813-continued

Papago Reservation, Baboquivari Canyon, Topowa, Arizona.
1535m. Vine 1 m long. Received as *Phaseolus acutifolius*
var. *tenuifolius*. Wild. Seed.

440811. GN x523. Collected September 25, 1976. Santa Rita Mt.
foothills, Rosemont, Pima County, near Highway 83,
Arizona. 1434-1495m. Vine. Leaves lanceolate. Flowers
light pink. Received as *Phaseolus acutifolius* var.
tenuifolius. Wild. Seed.

440812. GN x524. Santa Rita Mt. foothills, Rosemont, Pima
County, near Highway 83, Arizona. 1464-1525m. Vine to 2m
long. Local name cocolmecca. Received as *Phaseolus*
ritensis. Seed.

440813. GN x525. Collected September 25, 1976. Santa Rita Mt.
foothills, Rosemont, Pima County, near Highway 83,
Arizona. 1434-1495m. Vine, climbing, to 2.2m long.
Received as *Phaseolus acutifolius* var. *latifolius*. Wild.
Seed.

440814 TO 440817. *Miscanthus* sp. (Poaceae).

From China, Republic of. Donated by Taiwan Sugar Research
Institute, Tainan, Taiwan.
Received February 1980.

440814. M 75-35. Wild. Cuttings.

440815. M 75-58. Wild. Cuttings.

440816. M 75-78. Wild. Cuttings.

440817. M 75-102. Wild. Cuttings.

440818. *Erianthus arundinaceus* (Retz.) Jesw. (Poaceae) Plumegrass.

From India. Donated by J. Thuljaram Rao, Sugarcane Breeding
Institute, Tamil Nadu.
Received February 1980.

SES 311. Cultivated. Cuttings.

440819 TO 440839. *Saccharum officinarum* L. (Poaceae) Sugarcane.

From India. Donated by J. Thuljaram Rao, Sugarcane Breeding
Institute, Tamil Nadu.
Received February 1980.

440819. Aboe Amboina. Cultivated. Cuttings.

440819 TO 440839-continued

- 440820. Bamboo Blanca. Cultivated. Cuttings.
- 440821. Barbados White Sport. Cultivated. Cuttings.
- 440822. Big Tanna Mon Desert. Cultivated. Cuttings.
- 440823. Big Tanna Striped Aubin. Cultivated. Cuttings.
- 440824. Fiji 39. Cultivated. Cuttings.
- 440825. 28 NG 106. Cultivated. Cuttings.
- 440826. 51 NG 43. Cultivated. Cuttings.
- 440827. 51 NG 73. Cultivated. Cuttings.
- 440828. 51 NG 97. Cultivated. Cuttings.
- 440829. 51 NG 115, Striped. Cultivated. Cuttings.
- 440830. 51 NG 154. Cultivated. Cuttings.
- 440831. 57 NG 115. Cultivated. Cuttings.
- 440832. 57 NG 117. Cultivated. Cuttings.
- 440833. 57 NG 176. Cultivated. Cuttings.
- 440834. 57 NG 240. Cultivated. Cuttings.
- 440835. 57 NG 185. Cultivated. Cuttings.
- 440836. 57 NG 188. Cultivated. Cuttings.
- 440837. 57 NG 197. Cultivated. Cuttings.
- 440838. 96 NG 14. 2N = 80. Cultivated. Cuttings.
- 440839. 96 NG 15. Cultivated. Cuttings.

440840. *Saccharum robustum* Brandes & Jesw. ex Grassl (Poaceae).

From India. Donated by J. Thuljaram Rao, Sugarcane Breeding Institute, Tamil Nadu.
Received February 1980.

57 NG 170. Cultivated. Cuttings.

440841. *Saccharum sinense* Roxb. (Poaceae).

From India. Donated by J. Thuljaram Rao, Sugarcane Breeding

440841-continued
Institute, Tamil Nadu.
Received February 1980.

Desi Paunda. Cultivated. Cuttings.

440842 TO 440895. Saccharum sp. (Poaceae).

From India. Donated by J. Thuljaram Rao, Sugarcane Breeding
Institute, Tamil Nadu.
Received February 1980.

- 440842. Badila Java. Cultivated. Cuttings.
- 440843. Bangadya. Cultivated. Cuttings.
- 440844. Blanche Reunion. Cultivated. Cuttings.
- 440845. Cebu Light Purple. Cultivated. Cuttings.
- 440846. Ceram Red. Cultivated. Cuttings.
- 440847. Koelz 11131. Cultivated. Cuttings.
- 440848. Koelz 11132. Cultivated. Cuttings.
- 440849. Manjav. Cultivated. Cuttings.
- 440850. Manteigo 1295. Cultivated. Cuttings.
- 440851. Mauritius 131. Cultivated. Cuttings.
- 440852. Minado Red. Cultivated. Cuttings.
- 440853. Rasdali. Cultivated. Cuttings.
- 440854. Saipan D. Cultivated. Cuttings.
- 440855. Saipan G. Cultivated. Cuttings.
- 440856. San Manuel. Cultivated. Cuttings.
- 440857. Sarawak. Cultivated. Cuttings.
- 440858. Sinense. Cultivated. Cuttings.
- 440859. Tjepering. Cultivated. Cuttings.
- 440860. Tongatabu 3. Cultivated. Cuttings.
- 440861. Warna Bala. Cultivated. Cuttings.
- 440862. White Mauritius. Cultivated. Cuttings.

440842 TO 440895-continued

- 440863. White Transparent. Cultivated. Cuttings.
- 440864. Wit Djapara. S.W.M. 1914 x Oc 26. Cultivated. Cuttings.
- 440865. Zwart Cheribon. Cultivated. Cuttings.
- 440866. NC 32 striped. Cultivated. Cuttings.
- 440867. NG 15. Cultivated. Cuttings.
- 440868. NG 28. Cultivated. Cuttings.
- 440869. NG 64. Cultivated. Cuttings.
- 440870. SES 269. Cultivated. Cuttings.
- 440871. SES 275. Cultivated. Cuttings.
- 440872. SES 513. Cultivated. Cuttings.
- 440873. 21 NG 21. Cultivated. Cuttings.
- 440874. 21 NG 37. 2N = 80. Cultivated. Cuttings.
- 440875. 28 NG 37. 2N = 80. Cultivated. Cuttings.
- 440876. 28 NG 43. 2N = 80. Cultivated. Cuttings.
- 440877. 28 NG 84. Cultivated. Cuttings.
- 440878. 28 NG 97. Cultivated. Cuttings.
- 440879. 37 NG 6. Cultivated. Cuttings.
- 440880. 51 NG 14. Cultivated. Cuttings.
- 440881. 51 NG 45. Cultivated. Cuttings.
- 440882. 51 NG 61. Cultivated. Cuttings.
- 440883. 51 NG 89. Cultivated. Cuttings.
- 440884. 51 NG 92. Cultivated. Cuttings.
- 440885. 51 NG 98. Cultivated. Cuttings.
- 440886. 51 NG 114. Cultivated. Cuttings.
- 440887. 51 NG 260. Cultivated. Cuttings.
- 440888. 57 NG 15. Cultivated. Cuttings.

440842 TO 440895-continued

- 440889. 57 NG 67. Cultivated. Cuttings.
- 440890. 57 NG 126. Cultivated. Cuttings.
- 440891. 57 NG 140. Cultivated. Cuttings.
- 440892. 57 NG 149. Cultivated. Cuttings.
- 440893. 57 NG 149 striped. Cultivated. Cuttings.
- 440894. 57 NG 155. Cultivated. Cuttings.
- 440895. 57 NG 161. Cultivated. Cuttings.

440896 TO 440899. *Saccharum spontaneum* L. (Poaceae).

From India. Donated by J. Thuljaram Rao, Sugarcane Breeding Institute, Tamil Nadu.
Received February 1980.

- 440896. SES 268. 2N = 64. Cultivated. Cuttings.
- 440897. SES 272. 2N = 64. Cultivated. Cuttings.
- 440898. SES 289C. Cultivated. Cuttings.
- 440899. SES 290. 2N = 54. Cultivated. Cuttings.

440900 TO 440901. *Erianthus* sp. (Poaceae).

From Indonesia. Donated by International Society of Sugarcane Technologists, Pasuran.
Received February 1980.

- 440900. IJ76-370. Muddy river bank, from junction to Butiptiri. 50m. Wild. Cuttings.
- 440901. IJ76-389. Kao River edge and low bank, Butiptiri-Anggamburam. 60m. Wild. Cuttings.

440902. *Saccharum officinarum* L. (Poaceae) Sugarcane.

From Indonesia. Donated by International Society of Sugarcane Technologists, Pasuran.
Received February 1980.

- IS76-123. Garden along Palu-Kulawi Road, 35km from Palu. 35m. Chewing cane. Local name tebu. Cultivated. Cuttings.

440903 TO 440904. *Saccharum robustum* Brandes & Jesw. ex Grassl
(Poaceae).

From Indonesia. Donated by International Society of Sugarcane
Technologists, Pasuran.
Received February 1980.

440903. IH76-255. Edge of depression, 100m back from Eiwuapa
River, Seram. 5m. Local name tebu tebu. Wild. Cuttings.

440904. IJ76-535. Thicket on steep bank of Tembuni River below
Tembuni. 100m. Leaves glabrous. Culms with red
intercalalary meristem. Wild. Cuttings.

440905 TO 440908. *Saccharum spontaneum* L. (Poaceae).

From Indonesia. Donated by International Society of Sugarcane
Technologists, Pasuran.
Received February 1980.

440905. IK76-6. Edge of Kapuas River. Single wild stool. Local
name tele. Wild. Cuttings.

440906. IS76-131. Deep ravine, Palu-Kulawi Road, 68km from Palu.
680m. Single stool to 4m. Leaf sheaths hirsute. Wild.
Cuttings.

440907. IS76-179. Roadside thicket, 306km from Ujung Pandang.
1028m. Common at this elevation. Wild. Cuttings.

440908. IJ76-263. Wasteland, Waisaput, Baliem Valley. 1649m.
Plants among grasses and shrubs. Several small stools.
Local name jagat. Wild. Cuttings.

440909. *Festuca mairei* St. Yves (Poaceae).

From Morocco. Donated by M. Bounejmate, D. R. A. Station Centrale
des Plantes Fourrageres, Rabat. Received through G.A. White,
Germplasm Resources Laboratory, USDA, Beltsville, Maryland.
Received June 1978.

7243. Plants.

440910. *Festuca pratensis* Huds. (Poaceae) Meadow fescue.

From Morocco. Donated by M. Bounejmate, D. R. A. Station Centrale
des Plantes Fourrageres, Rabat. Received through G.A. White,
Germplasm Resources Laboratory, USDA, Beltsville, Maryland.
Received June 1978.

9433. Soviet Union. Plants.

440911. *Festuca rubra* subsp. *rubra* L. (Poaceae) Red fescue.

From Morocco. Donated by M. Bounejmate, D. R. A. Station Centrale des Plantes Fourrageres, Rabat. Received through G.A. White, Germplasm Resources Laboratory, USDA, Beltsville, Maryland. Received June 1978.

7245. Plants.

440912. *Festuca sulcata* (Hack.) Beck (Poaceae).

From Morocco. Donated by M. Bounejmate, D. R. A. Station Centrale des Plantes Fourrageres, Rabat. Received through G.A. White, Germplasm Resources Laboratory, USDA, Beltsville, Maryland. Received June 1978.

9176. Plants.

440913. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Donated by Kirin Academy of Agricultural Sciences, Kungchuling, Kirin Province. Received through W.O. Scott, Department of Agronomy, University of Illinois, Urbana. Received March 1980.

Collected 1979. Wild. Seed.

440914. *Avena barbata* Fott ex Link (Poaceae) Slender oat.

From Canada. Donated by Ottawa Research Station, Research Branch, Canada Department of Agriculture, Ottawa, Ontario. Received August 1979.

CW 261. Libya. Collected 1964. Two km west of Solluk, Cyrenaica. Wild. Seed.

440915 TO 440920. *Avena sterilis* L. (Poaceae) Animated oats.

From Canada. Donated by Ottawa Research Station, Research Branch, Canada Department of Agriculture, Ottawa, Ontario. Received August 1979.

440915. CW 366-1. Turkey. Collected 1964. Soke. Wild. Seed.

440916. CW 367-1. Turkey. Collected 1964. South 30km of Soke. Wild. Seed.

440917. CW370-2. Turkey. Collected 1964. Junction of Golluk and Bodrum. Wild. Seed.

440915 TO 440920-continued

440918. CW371-1. Turkey. Collected 1964. Bodrum. Wild. Seed.

440919. CW381-1. Greece. Collected 1964. Attica, 29km southeast of Athens. Wild. Seed.

440920. CW389-1. Greece. Collected 1964. Pella, Alexander's palace, Macedonia-Thrace. Wild. Seed.

440921. *Agropyron spicatum* (Pursh) Scribn. & Smith (Poaceae) Bluebunch wheatgrass.

From United States. Donated by Pullman Plant Materials Center, Soil Conservation Service, USDA, Washington State University, Pullman, Washington.
Received April 1980.

P-6409. 'Secar'. National Plant Materials Center, SCS, USDA. BN-5690. Collected July 05, 1938. Snake River Gorge, near Lewiston, Idaho. Plants densely tufted bunch type to 1m tall, early maturing, tetraploid (2N=28). Stems numerous, fine. Leaves numerous, narrow, glabrous, pale green. Awns divergent. Seeds small, production very good. Susceptible to strip rust and mildew. Drought tolerant. Cultivated. Seed.

440922. *Amaryllis nelsonii* Cardenas (Amaryllidaceae).

From Bolivia. Collected by B.H. Waite, University of Florida/AID Contract, La Paz.
Received January 1979.

Caranavi, Alto Beni. Wild. Bulbs.

440923. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From Peru. Collected by O.W. Norvell, Stanford University, Palo Alto, California.
Received October 1979.

P 8527. Lima. Local name Poroto Blanco Grande. Seed.

440924 TO 440926. *Dactylis glomerata* L. (Poaceae) Orchardgrass.

From Canada. Collected by R.P. Knowles, Agriculture Canada Research Station, Saskatoon, Saskatchewan. Received through Plant Gene Resources of Canada, Agriculture Canada, Ottawa, Ontario.
Received February 1980.

440924 TO 440926--continued

440924. S-8749. Ottawa 936. Soviet Union. Vladivostok, USSE.
PGR8690. Seeds open-pollinated. Winter-hardy at Saskatoon.
Seed.
440925. S-8751. Ottawa 839. Soviet Union. Novosibirsk, USSE.
PGR8691. Seeds open-pollinated. Winter-hardy at Saskatoon.
Seed.
440926. S-8803. Aberystwyth BC6621. Soviet Union. Arkangelsk,
USSR. PGR8692. Seeds open-pollinated. Winter-hardy at
Saskatoon. Seed.

440927 TO 440943. *Glycine canescens* F. J. Hermann (Fabaceae).

From Australia. Donated by T. Hymowitz, Department of Agronomy,
University of Illinois, Urbana, Illinois.
Received August 1979.

440927. Australia. Herbarium, Canberra Botanic Gardens, A.C.T.
017560. Collected March 05, 1966. Mallacoota Inlet
National Park, Victoria. Collected by Carroll. Wild. Seed.
440928. Australia. Herbarium, Canberra Botanic Gardens, A.C.T.
026495. Collected August 18, 1963. South of Broadwater on
Pacific Highway, New South Wales. Collected by Phillips.
Wild. Seed.
440929. Australia. Herbarium, Canberra Botanic Gardens, A.C.T.
046702. Towards Gilgandra, 14.4km from Coonabarabran, New
South Wales. Collected by Phillips. Wild. Seed.
440930. Australia. Adelaide. State Herbarium. 2451. Collected
August 19, 1968. About 12km northeast of Innamincka near
Queensland border, South Australia. Collected by Whibley.
Wild. Seed.
440931. Australia. Adelaide. State Herbarium. 3466. Collected
November 14, 1964. Lake Torrens Basin, about 40km
northwest of Leigh Creek, South Australia. Collected by
Lothian. Wild. Seed.
440932. Australia. Adelaide. State Herbarium. 4636. Collected
August 25, 1975. Goyder's Lagoon, 65km south of
Birdsville, South Australia. Lat. 26 deg. 25' S, Long.
139 deg. 33' E. Collected by Weber. Wild. Seed.
440933. Australia. Waite Institute. Symon 5907. Collected August
22, 1968. S 28.8km of Mt. Hopeless, 35.2km N of
Moolawatana Station, South Australia. Lat. 29 deg. 54' S,
Long. 139 deg. 44' E. Collected by Symon. Wild. Seed.

440927 TO 440943-continued

440934. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1104. Kings Park, Perth, Western Australia. Collected by P. Broue. Wild. Seed.
440935. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1112. Corner of McGregor and Scott Streets, Condobolin, New South Wales. Collected by P. Broue. Wild. Seed.
440936. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1113. Corner of McGregor and Scott Streets, Condobolin, New South Wales. Collected by P. Broue. Wild. Seed.
440937. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1114. Fifty-six km from Lake Cargelligo going from Condobolin, New South Wales. Collected by P. Broue. Wild. Seed.
440938. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1115. Fifty-six km from Lake Cargelligo going from Condobolin, New South Wales. Collected by P. Broue. Wild. Seed.
440939. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1116. Fifty-six km from Lake Cargelligo going from Condobolin, New South Wales. Collected by P. Broue. Wild. Seed.
440940. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1118. Fifty-six km from Lake Cargelligo going from Condobolin, New South Wales. Collected by P. Broue. Wild. Seed.
440941. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1119. Lachlan Ranges, 16km from Lake Cargelligo toward Hillston, New South Wales. Collected by P. Broue. Wild. Seed.
440942. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1120. Lachlan Ranges, 16km from Lake Cargelligo toward Hillston, New South Wales. Collected by P. Broue. Wild. Seed.
440943. Australia. Grafton, New South Wales. Agricultural Research Station. P11420. West 1.6km of Tibbooburra, New South Wales. Collected by G.P. Wilson. Wild. Seed.

440944 TO 440974. *Glycine clandestina* Wendl. (Fabaceae).

From Australia. Donated by T. Hymowitz, Department of Agronomy,

440944 TO 440974-continued

University of Illinois, Urbana, Illinois.

Received August 1979.

440944. Australia. Herbarium, Canberra Botanic Gardens, A.C.T. 3221. Collected November 29, 1972. Washy Range near Wangaratta, Victoria. Lat. 36 deg. 20' S, Long. 146 deg. 13' E. Collected by R. Pullen. Wild. Seed.
440945. Australia. Herbarium, Canberra Botanic Gardens, A.C.T. 3791. Collected November 22, 1973. Near Queanbeyan, 3.2km from summit of Mt. Jerrabomberra, New South Wales. Collected by Canning. Wild. Seed.
440946. Australia. Herbarium, Canberra Botanic Gardens, A.C.T. 011069. Collected May 19, 1962. Yass, New South Wales. Collected by Burgess. Wild. Seed.
440947. Australia. Herbarium, Canberra Botanic Gardens, A.C.T. 054639. Collected November 22, 1973. Summit of Mt. Jerrabomberra near Queanbeyan, New South Wales. Collected by Powell. Wild. Seed.
440948. Australia. Canberra. Herbarium, CSIRC. 044. Collected April 01, 1976. Mt. Painter, Canberra, A.C.T. Burnt area in eucalypt community. Collected by Herrot & Grace. Wild. Seed.
440949. Australia. Canberra. Herbarium, CSIRO. 0102. Collected October 13, 1976. Beach road, 0.8km past bridge, Gerringong, New South Wales. Woodland twiner. Collected by Herrot & Grace. Wild. Seed.
440950. Australia. Canberra. Herbarium, CSIRO. 0104. Collected October 13, 1976. Junction (270m) of Shellharbor, Gerringong and Berry Roads, New South Wales. Collected by Herrot & Grace. Wild. Seed.
440951. 406. Collected January 24, 1977. CSIRO land, foothills of Black Mountain, A.C.T. Wild. Seed.
440952. Australia. Adelaide. State Herbarium. 2596. Collected September 18, 1971. Brachina Gorge, western portion of Oraparinna Nat. Park, Flinders Range. South Australia. Collected by Weber. Wild. Seed.
440953. Australia. Adelaide. State Herbarium. 2696. Collected July 05, 1970. Mt. Wheeler, about 10km east of Wulgulmerang, East Gippsland, Victoria. 930-1240m. Collected by Orchard. Wild. Seed.
440954. Australia. Adelaide. State Herbarium. 4042. Collected September 13, 1973. Moro Gorge, 20km S of Balcanoona, Northern Flinders Range, South Australia. Collected by

440944 TO 440974-continued

Whibley. Wild. Seed.

440955. Australia. National Herbarium of Victoria. Collected December 06, 1976. Wheat field, Ootha, New South Wales. Collected by Veal. Wild. Seed.
440956. Australia. Brisbane, New South Wales. State Herbarium, Dept. of Primary Industry. Collected June 20, 1963. Kairi Research Station, Cook District, Queensland, Australia. Collected by Walker. Wild. Seed.
440957. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1123. Iandra Lane, 31km from Young along Henry Lawson Way to Grenfell, N.S.W. Collected by F. Broue. Wild. Seed.
440958. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1126. Iandra Lane, 31km from Young along Henry Lawson Way to Grenfell, N.S.W. Collected by F. Broue. Wild. Seed.
440959. Australia. Grafton, New South Wales. Agricultural Research Station. P11799. Section of Genetic Resources, CSIRO, Canberra City. 1140. Collected by G.P. Wilson. Wild. Seed.
440960. Australia. Grafton, New South Wales. Agricultural Research Station. P7676. Section of Genetic Resources, CSIRO, Canberra City. 1145. Yarrowirra, Stannifer near Tingha, 60km WSW of Glen Innes, New South Wales. Collected by G.P. Wilson. Wild. Seed.
440961. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1179. Ingebyra, 28.8km from Jindabyne, New South Wales. 1200m. Collected by P. Broue. Wild. Seed.
440962. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1184. Track to summit look-out, basalt soil, Brampton Island, Queensland. 50-70m. Collected by F. Broue. Wild. Seed.
440963. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1185. Embankment above apron at Brampton Island Airstrip, basalt soil, Queensland. Collected by P. Broue. Wild. Seed.
440964. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1186. Lookout beyond small jetty, basalt soil, Brampton Island, Queensland. 25-30m. Collected by F. Broue. Wild. Seed.
440965. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1187. Tracks to main peak, basalt soil, Brampton

440944 TO 440974-continued

Island, Queensland. 50m. Collected by P. Broue. Wild. Seed.

440966. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1193. Top of Macquarie Pass, Illawarra District, New South Wales. 640m. Collected by P. Broue. Wild. Seed.
440967. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1210. Bolero Road at foot of Clyde Mountain, New South Wales. Collected by P. Broue. Wild. Seed.
440968. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1220. Kangaroo River Bridge out of Robertson to Jamberoo, Illawarra Dist., N.S.W. 550m. Collected by P. Broue. Wild. Seed.
440969. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1223. Kangaroo River Bridge out of Robertson to Jamberoo, Illawarra Dist., N.S.W. 550m. Collected by P. Broue. Wild. Seed.
440970. Australia. Grafton, New South Wales. Agricultural Research Station. P7868. Purgatory Creek, New South Wales. Collected by G.P. Wilson. Wild. Seed.
440971. Australia. Grafton, New South Wales. Agricultural Research Station. P8811. Collected by G.P. Wilson. Wild. Seed.
440972. Australia. Grafton, New South Wales. Agricultural Research Station. P9022. Wahroonga, New South Wales. Collected by G.P. Wilson. Wild. Seed.
440973. Australia. Grafton, New South Wales. Agricultural Research Station. P11798. Pineflower, New South Wales. Collected by G.P. Wilson. Wild. Seed.
440974. Australia. Grafton, New South Wales. Agricultural Research Station. P11819. Collected by G.P. Wilson. Wild. Seed.

440975. *Glycine falcata* Benth. (Fabaceae).

From Australia. Donated by T. Hymowitz, Department of Agronomy, University of Illinois, Urbana, Illinois.
Received August 1979.

Australia. Grafton, New South Wales. Agricultural Research Station. P6884. Section of Genetic Resources, CSIRO, Canberra City. 1154. Nunbank, Taroom, Queensland. Collected by G.P. Wilson. Wild. Seed.

440976 TO 440977. *Glycine latrobeana* (Meissn.) Benth. (Fabaceae).

From Australia. Donated by T. Hymowitz, Department of Agronomy,
University of Illinois, Urbana, Illinois.
Received August 1979.

440976. Australia. Canberra City. Section of Genetic Resources,
CSIRO. 1251. Site 1, Coleraine-Hodgsons Lane, 240km from
road junction, Western Victoria. Wild. Seed.

440977. Australia. Canberra City. Section of Genetic Resources,
CSIRO. 1252. Site 2, Coleraine-Noreen Rd. E of junct. of
Denhills Lane, Western Victoria. Wild. Seed.

440978 TO 440980. *Glycine latifolia* (Benth.) Newell & Hymowitz
(Fabaceae).

From Australia. Donated by T. Hymowitz, Department of Agronomy,
University of Illinois, Urbana, Illinois.
Received August 1979.

440978. Australia. Grafton, New South Wales. Agricultural
Research Station. P11812. Section of Genetic Resources,
CSIRO, Canberra City. 1137. Rockdale, New South Wales.
Collected by G.P. Wilson. Wild. Seed.

440979. Australia. Grafton, New South Wales. Agricultural
Research Station. P7677. Delungra, New South Wales.
Collected by G.P. Wilson. Wild. Seed.

440980. Australia. Grafton, New South Wales. Agricultural
Research Station. P7923. Yallaroi, near Grafton, New
South Wales. Collected by G.P. Wilson. Wild. Seed.

440981. *Glycine tabacina* (Labill.) Benth. (Fabaceae).

From Fiji. Donated by T. Hymowitz, Department of Agronomy,
University of Illinois, Urbana, Illinois.
Received August 1979.

Herbarium, Royal Botanic Gardens, Kew, England. 769.
Collected 1930. Sigatoka, Viti Levu, Fiji. Collected by
Greenwood. Wild. Seed.

440982 TO 440997. *Glycine tabacina* (Labill.) Benth. (Fabaceae).

From Australia. Donated by T. Hymowitz, Department of Agronomy,
University of Illinois, Urbana, Illinois.
Received August 1979.

440982. Australia. Canberra. Herbarium, CSIRO. 058. Collected

440982 TO 440997-continued

- April 16, 1976. Port Macquarie, south end of Nobbys Beach, 16km from main road, N.S.W. Collected by Grace. Wild. Seed.
440983. Australia. Canberra. Herbarium, CSIRO. 10,105. Collected March 16, 1975. Earth mound by Barry Drive, Turner/Acton area, Canberra, A.C.T. Collected by R. Fullen. Wild. Seed.
440984. Australia. Canberra. Herbarium, CSIRO. 10,144. Collected September 18, 1975. Mt. Taylor, southwest suburban area, Canberra, A.C.T. Collected by R. Pullen. Wild. Seed.
440985. Australia. Canberra. Herbarium, CSIRO. 11,800. Fineflower, 65km northwest of Grafton, Clarence River District, N.S.W. Collected by G.P. Wilson. Wild. Seed.
440986. Australia. National Herbarium of Victoria. 82. Collected December 07, 1970. Marayong suburbs of Sydney, New South Wales. Collected by Hind. Wild. Seed.
440987. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1080(A). Henry Lawson Way towards Grenfell, 31km from Young, New South Wales. Seeds black. Collected by P. Broue. Wild. Seed.
440988. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1080(B). Henry Lawson Way towards Grenfell, 31km from Young, New South Wales. Seeds brown. Collected by P. Broue. Wild. Seed.
440989. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1106. Thirty-five km from Condobolin towards West Wyalong, New South Wales. Collected by P. Broue. Wild. Seed.
440990. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1258. C.P.I. 69208. Noumea, New Caledonia. Collected by H.D. McKee. Wild. Seed.
440991. Australia. Grafton, New South Wales. Agricultural Research Station. P7577. Kootingal, New South Wales. Collected by G.P. Wilson. Wild. Seed.
440992. Australia. Grafton, New South Wales. Agricultural Research Station. P8810. Glen Innes, New South Wales. Collected by G.P. Wilson. Wild. Seed.
440993. Australia. Grafton, New South Wales. Agricultural Research Station. P8970. Inverell, New South Wales. Collected by G.P. Wilson. Wild. Seed.
440994. Australia. Grafton, New South Wales. Agricultural Research Station. P9023. Eidsvold Station, Queensland.

440982 TO 440997-continued

Collected by G.P. Wilson. Wild. Seed.

440995. Australia. Grafton, New South Wales. Agricultural Research Station. P9079. Cangai, New South Wales. Collected by G.P. Wilson. Wild. Seed.

440996. Australia. Grafton, New South Wales. Agricultural Research Station. P11797. Clarenza, near Grafton, New South Wales. Collected by G.P. Wilson. Wild. Seed.

440997. Australia. Grafton, New South Wales. Agricultural Research Station. P11807. Armidale, New South Wales. Collected by G.P. Wilson. Wild. Seed.

440998 TO 441011. *Glycine tomentella* Hayata (Fabaceae).

From Australia. Donated by T. Hymowitz, Department of Agronomy, University of Illinois, Urbana, Illinois, Received August 1979.

440998. Australia. Queensland. Herbarium, Royal Botanic Gardens, Kew, England. 968. Collected April 09, 1962. Alluvial soil, sandy creek about 19km east of Condamine. Collected by Pedley. Wild. Seed.

440999. Australia. Queensland. Herbarium, Royal Botanic Gardens, Kew, England. 00162. Collected March 26, 1973. Moreton Island, about 3.6km north of Tangalooma, on low coastal sand dunes. Lat. 27 deg. 9' S, Long. 153 deg. 21' E. Collected by Durrington. Wild. Seed.

441000. Australia. Brisbane, Queensland. State Herbarium, Dept. of Primary Industry. 171. Collected November 02, 1967. About 72km southeast of Mt. Garnet, North Kennedy District, Queensland. Collected by Mcrain. Wild. Seed.

441001. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1133. Sandy soil, Brampton Island Airstrip, apron at end of runway, Queensland. 10-15m. Collected by F. Broue. Wild. Seed.

441002. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1134. Railway, near deepwater jetty, basalt soil, Brampton Island, Queensland. 5-10m. Collected by P. Broue. Wild. Seed.

441003. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1146. Hillside near fairway of 1st hole, Brampton Island Golf Course, Queensland. 25m. Collected by F. Broue. Wild. Seed.

441004. Australia. Canberra City. Section of Genetic Resources,

440998 TO 441011-continued

- CSIRO. 1183. Above Brampton Island Airstrip, basalt soil, Queensland. 40-50m. Collected by P. Broue. Wild. Seed.
441005. Australia. Canberra City. Section of Genetic Resources, CSIRO. 1188. Along road to Lindeman Island Airstrip, basalt soil, Queensland. 30m. Collected by P. Broue. Wild. Seed.
441006. Australia. Grafton, New South Wales. Agricultural Research Station. P7920. S.C.S. 3701. Yimkin, near Delungra, New South Wales. Collected by G.P. Wilson. Wild. Seed.
441007. Australia. Grafton, New South Wales. Agricultural Research Station. P11802. Angourie, New South Wales. Collected by G.P. Wilson. Wild. Seed.
441008. Australia. Grafton, New South Wales. Agricultural Research Station. P11803. Coastal sand dunes, Station Creek, Red Rock, New South Wales. Collected by G.P. Wilson. Wild. Seed.
441009. Australia. Grafton, New South Wales. Agricultural Research Station. P11804. Cangai, New South Wales. Collected by G.P. Wilson. Wild. Seed.
441010. Australia. Grafton, New South Wales. Agricultural Research Station. P11810. Collected by G.P. Wilson. Wild. Seed.
441011. Australia. Grafton, New South Wales. Agricultural Research Station. P11818. Angourie, New South Wales. Collected by G.P. Wilson. Wild. Seed.

441012 TO 441013. *Glycine tomentella* Hayata (Fabaceae).

From China, Republic of. Collected by T. Hymowitz, Department of Agronomy, University of Illinois, Urbana, Illinois. Received August 1979.

441012. 528. Collected January 06, 1978. Red, acidic, sandy soil, Agave plantation, Mao-Pi-Tou, Taiwan. Wild. Seed.
441013. 529. Collected January 06, 1978. Red, acidic, sandy soil, Mao-Pi-Tou, Taiwan. 30m. Wild. Seed.

441014 TO 441019. *Gossypium barbadense* L. (Malvaceae) Sea-island cotton.

From Soviet Union. Donated by N.I. Vavilov Institute of Plant Industry, Leningrad. Received through US-USSR Agreement for

441014 TO 441019-continued
Science & Technology in Agriculture.
Received January 1980.

441014. 5904. Termez. Seed index 11.6g. Boll weight 3.2-3.4g. Percent lint 33-36. Fiber length 37.7mm. Tensile strength 5.2g/cm. Cultivated. Seed.
441015. 6249-V. Tadzhik Research Institute of Agriculture. 504-V x 8596-I. Plants bushy, determinate. Boll weight 2.8-3.2g. Percent lint 31-32. Fiber length 39-40mm. Tensile strength 4.5g/cm. Maturity 130-140 days. Released in 1966. Cultivated. Seed.
441016. 7318-V. S-6022 x Giza 45. Plants 90-110cm tall, compressed columnar shape, glabrous. Flowers large, lemon-yellow. Seeds medium size, triangular-oval. Bolls large, cone-shaped, 2.8-3.2g. Percent lint 29.2. Fiber length 41-42mm. Tensile strength 4.8g/cm. Released in 1972. Cultivated. Seed.
441017. 8763-I. Seed index 10.3g. Boll weight 3.9g. Percent lint 31.1. Fiber length 41.5mm. Tensile strength 5.1g/cm. Maturity 145-155 days. Released 1953. Cultivated. Seed.
441018. S-6030. Syrkhandar'in. Seed index 11.6g. Boll weight 3.5-3.7g. Percent lint 35. Fiber length 42.3mm. Tensile strength 4.1g/cm. Cultivated. Seed.
441019. S-6037. Syrkhandar'in. Seed index 11.0g. Boll weight 4.1g. Percent lint 31.9. Fiber length 41.1mm. Tensile strength 4.8g/cm. Cultivated. Seed.

441020 TO 441029. *Gossypium hirsutum* L. (Malvaceae) Upland cotton.

From Soviet Union. Donated by N.I. Vavilov Institute of Plant Industry, Leningrad. Received through US-USSR Agreement for Science & Technology in Agriculture.
Received January 1980.

441020. 108-F. Karasyi kolkhoz. Seed index 10.5g. Boll weight 6.5-7.0g. Percent lint 31. Fiber length 32.9mm. Tensile strength 4.7g/cm. Cultivated. Seed.
441021. 133. Seed index 12.3g. Boll weight 6.6g. Percent lint 33.6. Fiber length 36.5mm. Tensile strength 4.8g/cm. Maturity 140-145 days. Released in 1962. Cultivated. Seed.
441022. 138-F. Gagarin. Boll weight 7.2-7.5g. Seed index 11.6g. Percent lint 38. Fiber length 36.1mm. Tensile strength 4.5g/cm. Cultivated. Seed.
441023. 153-F. Kachan stud farm. Boll weight 6.0-6.5g. Seed

441020 TO 441029-continued

- index 11.0g. Percent lint 39-40. Fiber length 31.9mm. Tensile strength 4.7g/cm. Cultivated. Seed.
441024. 3038. Azerbaijan Research Institute of Cotton Breeding. Kirovabad. Seed index 10.1g. Boil weight 5.3g. Percent lint 38.9. Fiber length 32.0-33.0mm. Tensile strength 4.8-5.0g/cm. Maturity 128 days. Released in 1967. Cultivated. Seed.
441025. Ch-3010. Chimbai. Seed index 11.1g. Boil weight 6.9g. Percent lint 38.1. Fiber length 31.0mm. Tensile strength 4.6g/cm. Cultivated. Seed.
441026. Kzyl-Rovat. Kzyl-Rovat. Seed index 10.8g. Boil weight 6.0-6.5g. Percent lint 35. Fiber length 33.4mm. Tensile strength 4.7g/cm. Cultivated. Seed.
441027. Regar I. Seed index 10.3g. Boil weight 6.5-7.5g. Percent lint 37. Fiber length 32.3mm. Tensile strength 4.6g/cm. Released 1975. Cultivated. Seed.
441028. S-4727. Turkestan kolkhoz. Seed index 10.9g. Boil weight 6.3-6.8g. Percent lint 34. Fiber length 33.5mm. Tensile strength 4.6g/cm. Cultivated. Seed.
441029. Tashkent-I. Dal'verzan kolkhoz. Seed index 10.3g. Boil weight 6.0-6.5g. Percent lint 37. Fiber length 32.3mm. Tensile strength 4.6g/cm. Cultivated. Seed.

441030 TO 441036. *Dactylis glomerata* subsp. *smithii* (Link) Stebbins & Zohary (Poaceae).

From Japan. Donated by Laboratory of Grass Breeding, Pasture Plants Division, Nat. Grassland Research Institute, Nasu-gun, Tochigi. Received through UJNR Project on Forage Crop Germplasm Exchange & Evaluation. Code numbers refer to 1976 National Grassland Research Institute listing.

Received December 1978.

441030. N1-207001. United Kingdom. Bc 5197. Cultivated. Seed.
441031. N1-207002. United Kingdom. Bc 5197. Cultivated. Seed.
441032. N1-207003. United Kingdom. Bc 5197. Cultivated. Seed.
441033. N1-207004. United Kingdom. Bc 5197. Cultivated. Seed.
441034. N1-207005. United Kingdom. Bc 5197. Cultivated. Seed.
441035. N1-207006. United Kingdom. Bc 5197. Cultivated. Seed.

441030 TO 441036-continued

441036. N1-207008. United Kingdom. Bc 5197. Cultivated. Seed.

441037 TO 441038. *Phleum pratense* L. (Poaceae) Timothy.

From Japan. Donated by Forage Crops Breeding Section, Hokkaido Pref., Kitami Agriculture Experiment Station, Tokoro-gun, Hokkaido. Received through UJNR Project on Forage Crop Germplasm Exchange & Evaluation. Code numbers refer to 1976 National Grassland Research Institute listing. Received December 1978.

441037. KI 743. Cultivated. Seed.

441038. KI 746. Cultivated. Seed.

441039. *Euonymus americana* L. (Celastraceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas. Received January 1980.

PMT-4011. Collected September 1975. Arkansas. Collected by J. M. House. Perennial woody. Wild. Plants.

441040 TO 441042. *Ceratoides lanata* (Pursh) Howell (Chenopodiaceae) Winterfat.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas. Received January 1980.

441040. PMT-3958. Collected November 1975. Hudspeth Co., Texas. Collected by J. W. McDonald. Perennial woody. Wild. Seed.

441041. PMT-3968. Collected November 1975. Hudspeth Co., Texas. Collected by J. W. McDonald. Perennial woody. Wild. Seed.

441042. PMT-3987. Collected November 1975. Hudspeth Co., Texas. Collected by J. Robinson. Perennial woody. Wild. Seed.

441043 TO 441060. *Fallugia paradoxa* (D. Don) Endl. (Rosaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas. Received January 1980.

441043 TO 441060-continued

441043. PMT-3937. Collected December 1974. Culberson Co., Texas.
1515m. Collected by S. Holtz. Perennial woody. Wild. Seed.
441044. PMT-3938. Collected November 1974. Culberson Co., Texas.
1424m. Collected by S. Holtz. Perennial woody. Wild. Seed.
441045. PMT-3941. Collected September 1975. Terrell Co., Texas.
899m. Collected by Seymore. Perennial woody. Wild. Seed.
441046. PMT-3946. Collected July 1975. Culberson Co., Texas.
1303m. Collected by J. Henson. Perennial woody. Wild.
Seed.
441047. PMT-3961. Collected October 1974. Pecos Co., Texas.
1061m. Collected by Johnson. Perennial woody. Wild. Seed.
441048. PMT-3977. Collected November 1974. Brewster Co., Texas.
1576m. Collected by L. Kay. Perennial woody. Wild. Seed.
441049. PMT-3990. Collected October 1974. Terrell Co., Texas.
857m. Collected by Seymore. Perennial woody. Wild. Seed.
441050. PMT-4253. Collected December 1977. Pecos Co., Texas.
1212m. Collected by C. Smith. Perennial woody. Wild. Seed.
441051. PMT-4258. Collected December 1977. Jeff Davis Co., Texas.
1667m. Collected by M. Gearner. Perennial woody. Wild.
Seed.
441052. PMT-4261. Collected December 1977. Pecos Co., Texas.
1017m. Collected by R. C. Schimcek. Perennial woody. Wild.
Seed.
441053. PMT-4263. Collected December 1977. Hudspeth Co., Texas.
1394m. Collected by J. Henson. Perennial woody. Wild.
Seed.
441054. PMT-4529. Collected November 1978. Crockett Co., Texas.
724m. Collected by J. Crumley. Perennial woody. Wild.
Seed.
441055. PMT-4541. Collected December 1978. Val Verde Co., Texas.
468m. Collected by R. C. Hungerford. Perennial woody.
Wild. Seed.
441056. PMT-4553. Collected December 1978. Presidio, Co., Texas.
1636m. Collected by B. J. Waddell. Perennial woody. Wild.
Seed.
441057. PMT-4554. Collected December 1978. Brewster Co., Texas.
Collected by G. Grizzle. Perennial woody. Wild. Seed.

441043 TO 441060-continued

441058. PMT-4558. Collected December 1978. Terrell Co., Texas.
887m. Collected by R. C. Schimcek. Perennial woody. Wild.
Seed.

441059. PMT-4563. Collected December 1978. Pecos Co., Texas.
1364m. Collected by Butler. Perennial woody. Wild. Seed.

441060. PMT-4564. Collected December 1978. Culberson Co., Texas.
1236m. Collected by D. Q. Cox. Perennial woody. Wild.
Seed.

441061. *Festuca arundinacea* Schreb. (Poaceae) Tall fescue.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

PMT-384. Perennial herb. Wild. Seed.

441062. *Fraxinus pennsylvanica* Marsh. (Oleaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

PMT-3842. Collected October 1975. Bowie Co., Texas.
Collected by M. McCrary. Tree. Wild. Seed.

441063. *Fraxinus* sp. (Oleaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

PMT-3873. Collected September 1975. Somervell Co., Texas.
Collected by L. Pace. Tree. Wild. Seed.

441064. *Gleditsia triacanthos* L. (Fabaceae) Honeylocust.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

PMT-4074. Collected November 1976. Jack Co., Texas. 333m.

441064-continued

Collected by L. Pace. Tree. Wild. Seed.

441065. *Gymnocladus dioica* (L.) Koch (Fabaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

PMT-4166. Collected September 1977. Knox Co., Texas.
439m. Collected by L. Pace. Tree. Wild. Seed.

441066. *Helianthus mollis* Lam. (Asteraceae) Ashy sunflower.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

PMT-4408. Collected March 1978. Dallam Co., Texas. 203m.
Collected by J. Sykora. Perennial herb. Wild. Seed.

441067 TO 441068. *Heimerocallis* sp. (Liliaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

441067. PMT-4035. Collected 1976. Knox Co., Texas. Collected by D. G. Lorenz. Perennial herb. Wild. Tubers.

441068. PMT-4042. Collected 1976. Knox Co., Texas. Collected by D. G. Lorenz. Perennial herb. Wild. Tubers.

441069. *Heteropogon contortus* (L.) Beauv. ex Boem. & Schult. (Poaceae) Tanglehead.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

PMT-4256. Collected December 1977. Presidio Co., Texas.
1455m. Collected by D. Platt. Perennial herb. Wild. Seed.

441070. *Hibiscus militaris* Cav. (Malvaceae).

From United States. Held by Knox City Plant Materials Center,

441070-continued

Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

PMT-4094. Collected January 1977. Hemphill Co., Texas.
697m. Collected by E. L. Sidensticker. Perennial herb.
Wild. Seed.

441071. *Hilaria jamesii* (Torr.) Benth. (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4474. Collected September 1978. Hartley Co., Texas.
1136m. Collected by T. D. McFall. Perennial herb. Wild.
Seed.

441072 TO 441092. *Hilaria mutica* (Buckl.) Benth. (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441072. PMT-4061. Collected November 1976. Mitchell Co., Texas.
363m. Collected by V. Mills. Perennial herb. Wild. Seed.

441073. PMT-4062. Collected November 1976. Howard Co., Texas.
676m. Collected by C. M. Wilson. Perennial herb. Wild.
Seed.

441074. PMT-4065. Collected November 1976. Tom Green Co., Texas.
560m. Collected by T. Christian. Perennial herb. Wild.
Seed.

441075. PMT-4066. Collected November 1976. Glasscock Co., Texas.
695m. Collected by F. Stumberg. Perennial herb. Wild.
Seed.

441076. PMT-4103. Collected February 1977. Reeves Co., Texas.
903m. Collected by R. C. Schimcek. Perennial herb. Wild.
Seed.

441077. PMT-4104. Collected February 1977. Reeves Co., Texas.
773m. Collected by R. C. Schimcek. Perennial herb. Wild.
Seed.

441078. PMT-4173. Collected September 1977. Motley Co., Texas.
700m. Collected by C. Pursley. Perennial herb. Wild. Seed.

441072 TO 441092-continued

441079. PMT-4174. Collected September 1977. Garza Co., Texas. 788m. Collected by C. A. Morris. Perennial herb. Wild. Seed.
441080. PMT-4212. Collected November 1977. Dickens Co., Texas. 682m. Collected by D. Keith. Perennial herb. Wild. Seed.
441081. PMT-4223. Collected November 1977. Midland Co., Texas. 879m. Collected by S. Nance. Perennial herb. Wild. Seed.
441082. PMT-4251. Collected December 1977. Pecos Co., Texas. 1069m. Collected by T. C. Smith. Perennial herb. Wild. Seed.
441083. PMT-4255. Collected December 1977. Presidio Co., Texas. 1212m. Collected by D. Platt. Perennial herb. Wild. Seed.
441084. PMT-4264. Collected December 1977. Reagan Co., Texas. 812m. Collected by G. Askins. Perennial herb. Wild. Seed.
441085. PMT-4265. Collected December 1977. Tom Green Co., Texas. 591m. Collected by R. Ward. Perennial herb. Wild. Seed.
441086. PMT-4323. Collected January 1978. Fisher Co., Texas. 582m. Collected by D. Parr. Perennial herb. Wild. Seed.
441087. PMT-4329. Collected January 1978. Childress Co., Texas. 521m. Collected by R. Purswell. Perennial herb. Wild. Seed.
441088. PMT-4330. Collected January 1978. Nolan Co., Texas. 656m. Collected by C. Reeves. Perennial herb. Wild. Seed.
441089. PMT-4331. Collected January 1978. Nolan Co., Texas. 656m. Collected by C. Barton. Perennial herb. Wild. Seed.
441090. PMT-4332. Collected January 1978. Nolan Co., Texas. 656m. Collected by C. Reeves. Perennial herb. Wild. Seed.
441091. PMT-4426. Collected March 1978. Baylor Co., Texas. 364m. Collected by L. Pfau. Perennial herb. Wild. Seed.
441092. PMT-4568. Collected December 1978. Pecos Co., Texas. 785m. Collected by Smith. Perennial herb. Wild. Seed.

441093. *Ilex decidua* Walt. (Aquifoliaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.
Received January 1980.

441093-continued

PMT-4236. Collected December 1977. Bell Co., Texas.
Collected by H. W. Everett. Perennial woody. Wild. Seed.

441094. *Impatiens capensis* Meerb. (Falsaminaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

PMT-3846. Collected October 1975. Bowie Co., Texas.
Collected by M. McCrary. Annual. Wild. Seed.

441095 TO 441096. *Iris* sp. (Iridaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

441095. PMT-4051. Collected November 1976. Burnet Co., Texas.
Collected by D. N. Palmer. Perennial herb. Wild. Rhizomes.

441096. PMT-4085. Collected December 1976. Burnet Co., Texas.
394m. Collected by D. N. Palmer. Perennial herb. Wild.
Rhizomes.

441097. *Ixophorus unisetus* (C. Presl) Schlecht. (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

PMT-3414. Collected September 1973. Refugio Co., Texas.
13m. Collected by W. C. Rampley. Perennial herb. Wild.
Seed.

441098. *Juglans nigra* L. (Juglandaceae) Black walnut.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

PMT-4002. Collected November 1975. Shelby Co., Texas.
Collected by C. Rider. Tree. Wild. Seed.

441099. *Juglans* sp. (Juglandaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

PMT-4116. Collected May 1977. Haskell Co., Texas. 470m.
Collected by L. Pace. Tree. Wild. Seed.

441100 TO 441102. *Juniperus virginiana* L. (Cupressaceae) Eastern red-
cedar.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

441100. PMT-3844. Collected October 1975. Bowie Co., Texas.
Collected by M. McCrary. Tree. Wild. Seed.

441101. PMT-4007. Collected January 1976. Collected by N. E.
Smola. Tree. Wild. Seed.

441102. PMT-4012. Collected June 1975. Bowie Co., Texas. 114m.
Collected by M. McCrary. Tree. Wild. Seed.

441103. *Leersia oryzoides* (L.) Sw. (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

PMT-4510. Collected October 1978. Wheeler Co., Texas.
682m. Collected by C. Coffman. Perennial herb. Wild. Seed.

441104 TO 441106. *Leptochloa dubia* (H.B.K.) Nees (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

441104. PMT-743. Jones Co., Texas. Perennial herb. Wild. Seed.

441105. PMT-746. Edwards Co., Texas. Collected by Varga.
Perennial herb. Wild. Seed.

441106. PMT-3926. Collected January 1975. Culberson Co., Texas.
1242m. Collected by S. Holtz. Perennial herb. Wild. Seed.

441107 TO 441123. *Lespedeza capitata* Michx. (Fabaceae) Roundhead
lespedeza.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

- 441107. PMT-3891. Collected November 1975. Ellis Co., Texas.
895m. Collected by D. Stone. Perennial herb. Wild. Seed.
- 441108. PMT-2252. Collected October 1969. 515m. Collected by A.
G. Davis. Perennial herb. Wild. Seed.
- 441109. PMT-3639. Collected September 1974. Crane Co., Texas.
303m. Collected by D. Ankle. Perennial herb. Wild. Seed.
- 441110. PMT-3711. Collected November 1974. Chambers Co., Texas.
Collected by D. Ankle. Perennial herb. Wild. Seed.
- 441111. PMT-3890. Collected November 1975. Floyd Co., Texas.
579m. Collected by O. Henson. Perennial herb. Wild. Seed.
- 441112. PMT-3993. Collected 1973. Kansas. Perennial herb. Wild.
Seed.
- 441113. PMT-3994. Collected 1973. Kansas. Perennial herb. Wild.
Seed.
- 441114. PMT-3995. Collected 1971. Kansas. Perennial herb. Wild.
Seed.
- 441115. PMT-4063. Collected October 1976. Roger Mills Co.,
Oklahoma. 606m. Collected by M. Sooter. Perennial herb.
Wild. Seed.
- 441116. PMT-4064. Collected October 1976. Roger Mills Co.,
Oklahoma. 606m. Collected by M. Sooter. Perennial herb.
Wild. Seed.
- 441117. PMT-4079. Collected November 1976. Pontotoc Co.,
Oklahoma. 212m. Collected by R. Freeland. Perennial herb.
Wild. Seed.
- 441118. PMT-4080. Collected October 1976. Garvin Co., Oklahoma.
312m. Collected by R. Freeland. Perennial herb. Wild.
Seed.
- 441119. PMT-4081. Collected October 1976. Garvin Co., Oklahoma.
300m. Collected by R. Freeland. Perennial herb. Wild.
Seed.
- 441120. PMT-4088. Collected November 1976. Le Flore Co.,
Oklahoma. 273m. Collected by D. N. Pearce. Perennial herb.

441107 TO 441123-continued
Wild. Seed.

441121. PMT-4100. Collected January 1977. Caddo Co., Oklahoma.
364m. Collected by S. Rice. Perennial herb. Wild. Seed.

441122. PMT-4101. Collected December 1976. Stephens Co.,
Oklahoma. 333m. Collected by G. Moebius. Perennial herb.
Wild. Seed.

441123. PMT-4403. Collected March 1978. Wheeler Co., Texas. 761m.
Collected by C. Coffman. Perennial herb. Wild. Seed.

441124 TO 441125. *Lespedeza stuevei* Nutt. (Fabaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

441124. PMT-4167. Collected September 1977. Washita Co.,
Oklahoma. 473m. Collected by W. J. King. Perennial herb.
Wild. Seed.

441125. PMT-4284. Collected December 1977. Kingfisher Co.,
Oklahoma. 315m. Collected by J. Miller. Perennial herb.
Wild. Seed.

441126. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

PMT-3864. Collected October 1975. Hawaii. Collected by B.
J. Joy. Perennial woody. Wild. Seed.

441127 TO 441133. *Liatris punctata* Hook. (Asteraceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

441127. PMT-3908. Collected October 1975. Beaver Co., Oklahoma.
788m. Collected by D. Dossett. Perennial herb. Wild. Seed.

441128. PMT-3915. Collected October 1975. King Co., Texas. 553m.
Collected by B. Bruce. Perennial herb. Wild. Seed.

441127 TO 441133-continued

441129. PMT-3963. Collected October 1975. Brewster Co., Texas.
1576m. Collected by F. Kay. Perennial herb. Wild. Seed.
441130. PMT-4089. Collected January 1977. McCurtain Co.,
Oklahoma. 152m. Collected by J. Hamilton. Perennial herb.
Wild. Seed.
441131. PMT-4092. Collected January 1977. Choctaw Co., Oklahoma.
273m. Collected by L. Brown. Perennial herb. Wild. Seed.
441132. PMT-4102. Collected February 1977. Milam Co., Texas.
121m. Collected by T. McBay. Perennial herb. Wild. Seed.
441133. PMT-4280. Collected December 1977. Custer Co., Oklahoma.
546m. Collected by F. A. Perryman. Perennial herb. Wild.
Seed.

441134. *Liatris spicata* (L.) Willd. (Asteraceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

PMT-4507. Collected October 1978. Kingfisher Co.,
Oklahoma. 303m. Collected by L. Litschke. Perennial herb.
Wild. Seed.

441135. *Liatris* sp. (Asteraceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

PMT-4056. Collected November 1976. Clay Co., Texas. 303m.
Collected by L. Pace. Perennial herb. Wild. Seed.

441136 TO 441138. *Lippia* sp. (Verbenaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

441136. PMT-4039. Collected September 1976. Knox Co., Texas.
Collected by D. N. Palmer. Perennial herb. Wild. Plants.

441137. PMT-4040. Collected September 1976. Knox Co., Texas.

441136 TO 441138-continued

Collected by D. N. Palmer. Perennial herb. Wild. Plants.

441138. PMT-4043. Collected September 1976. Bell Co., Texas.
233m. Collected by D. N. Palmer. Perennial herb. Wild.
Plants.

441139. *Liquidambar styraciflua* L. (Attingiaceae) Sweetgum.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4010. Collected June 1975. Bowie Co., Texas. 106m.
Collected by M. McCrary. Tree. Wild. Seed.

441140. *Lonicera maackii* (Rupr.) Maxim. (Caprifoliaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-3834. Collected April 1973. Georgia. Perennial woody.
Wild. Seed.

441141. *Lotus corniculatus* L. (Fabaceae) Birdsfoot trefoil.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-3999. Collected September 1975. Kentucky. Perennial
herb. Wild. Seed.

441142. *Maclura pomifera* (Raf.) Schneid. (Moraceae) Csage-orange.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-3902. Collected October 1975. Travis Co., Texas.
Collected by L. Pace. Tree. Wild. Seed.

441143 TO 441145. *Melica nitens* (Scribn.) Nutt. ex Piper (Poaceae).

From United States. Held by Knox City Plant Materials Center,

441143 TO 441145-continued

Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

441143. PMT-1316. Collected June 1966. Edwards Co., Texas.
Collected by S. Coleman. Perennial herb. Wild. Seed.

441144. PMT-3326. Collected July 1973. Bexar Co., Texas.
Collected by D. Riskind. Perennial herb. Wild. Seed.

441145. PMT-4472. Collected August 1978. Mason Co., Texas. 524m.
Collected by L. Virdell. Perennial herb. Wild. Seed.

441146 TO 441147. *Menodora* sp. (Cleaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

441146. PMT-4555. Collected December 1978. Presidio Co., Texas.
Perennial herb. Wild. Seed.

441147. PMT-4595. Collected December 1978. Pecos Co., Texas.
973m. Collected by Smith. Perennial herb. Wild. Seed.

441148 TO 441150. *Mimosa strigillosa* Torr. & Gray (Fabaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

441148. PMT-3592. Collected August 1974. Chambers Co., Texas. 6m.
Collected by S. Bickel. Perennial herb. Wild. Seed.

441149. PMT-3593. Collected August 1974. Chambers Co., Texas. 6m.
Collected by J. Neaville. Perennial herb. Wild. Seed.

441150. PMT-3638. Collected October 1974. Fort Bend Co., Texas.
Collected by B. Billington. Perennial herb. Wild. Seed.

441151 TO 441152. *Muhlenbergia porteri* Scribn. (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

441151. PMT-3970. Collected October 1974. Reeves Co., Texas.

441151 TO 441152-continued

1061m. Collected by D. Mooney. Perennial herb. Wild. Seed.

441152. PMT-3973. Collected October 1974. Hudspeth Co., Texas.

1182m. Collected by T. Davey. Perennial herb. Wild. Seed.

441153. *Oenothera serrulata* Nutt. (Onagraceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4117. Lamb Co., Texas. Perennial herb. Wild. Seed.

441154. *Oenothera speciosa* Nutt. (Onagraceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4289. Collected December 1977. Kay Co., Oklahoma.
333m. Collected by T. Nuemeyer. Perennial herb. Wild.
Seed.

441155. *Oryzopsis hymenoides* (Roem. & Schult.) Ricker (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-3857. Collected July 1975. Dallam Co., Texas. 1182m.
Collected by C. Seitz. Perennial herb. Wild. Seed.

441156. *Oryzopsis miliacea* (L.) Benth. & Hook. f. ex Asch. &
Schweinf. (Poaceae) Smilgrass.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-3095. Collected 1972. Dimmit Co., Texas. Collected
by J. R. Hamilton. Perennial herb. Wild. Seed.

441157 TO 441159. *Panicum bulbosum* H. B. K. (Poaceae).

From United States. Held by Knox City Plant Materials Center,

441157 TO 441159-continued

Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

441157. PMT-3923. Collected December 1975. Pecos Co., Texas. 803m. Collected by A. W. Miller. Perennial herb. Wild. Seed.

441158. PMT-3986. Collected November 1974. Pecos Co., Texas. 761m. Collected by A. W. Miller. Perennial herb. Wild. Seed.

441159. PMT-4574. Collected November 1978. Nolan Co., Texas. 621m. Collected by J. L. Wimberley. Perennial herb. Wild. Seed.

441160 TO 441162. *Panicum havardii* Vasey (Poaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

441160. PMT-1480. Collected May 1977. Knox Co., Texas. 452m. Perennial herb. Wild. Seed.

441161. PMT-3919. Collected November 1974. Ward Co., Texas. 818m. Collected by C. W. Cox. Perennial herb. Wild. Seed.

441162. PMT-3951. Collected October 1975. Winkler Co., Texas. 849m. Collected by C. W. Cox. Perennial herb. Wild. Seed.

441163. *Panicum hemitonon* Schult. (Poaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

PMT-4098. Henderson Co., Texas. Perennial herb. Wild. Rhizomes.

441164. *Panicum obtusum* H.B.K. (Poaceae) Vine mesquitegrass.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

PMT-4562. Collected December 1978. Pecos Co., Texas.

441164-continued

749m. Perennial herb. Wild. Seed.

441165. *Panicum virgatum* L. (Poaceae) Switchgrass.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4059. Collected November 1976. Clay Co., Texas. 303m.
Collected by L. Pace. Perennial herb. Wild. Seed.

441166 TO 441172. *Pappophorum mucronulatum* Nees (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441166. PMT-3917. Collected October 1975. Pecos Co., Texas. 848m.
Collected by A. W. Miller. Perennial herb. Wild. Seed.

441167. PMT-3944. Collected October 1975. Reeves Co., Texas.
Collected by J. Merz. Perennial herb. Wild. Seed.

441168. PMT-3975. Collected September 1974. Reeves Co., Texas.
773m. Collected by A. Blackwell. Perennial herb. Wild.
Seed.

441169. PMT-3982. Collected September 1974. Pecos Co., Texas.
909m. Perennial herb. Wild. Seed.

441170. PMT-4246. Collected December 1977. Terrell Co., Texas.
818m. Collected by R. C. Schinck. Perennial herb. Wild.
Seed.

441171. PMT-4259. Collected December 1977. Pecos Co., Texas.
970m. Collected by D. Butler. Perennial herb. Wild. Seed.

441172. PMT-4260. Collected December 1977. Terrell Co., Texas.
818m. Collected by W. R. Bauer. Perennial herb. Wild.
Seed.

441173. *Parthenium argentatum* A. Gray (Asteraceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4557. Collected December 1978. Pecos Co., Texas.
909m. Collected by Smith. Perennial woody. Wild. Seed.

441174. *Paspalum floridanum* Michx. (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4508. Collected October 1978. Jasper Co., Texas. 70m.
Collected by A. Baker. Perennial herb. Wild. Seed.

441175. *Pennisetum villosum* R. Br. ex Fresen. (Poaceae) Feathertcp.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4300. Collected December 1977. Bell Co., Texas. 142m.
Collected by Stautzenberger. Perennial herb. Wild. Seed.

441176. *Penstemon barbatus* (Cav.) Roth (Scrophulariaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-3928. Collected June 1975. Jeff Davis Co., Texas.
1212m. Collected by W. T. McPherson. Perennial herb. Wild.
Seed.

441177 TO 441178. *Penstemon* sp. (Scrophulariaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441177. PMT-4105. Collected February 1977. Hudspeth Co., Texas.
1467m. Collected by J. Henson. Perennial herb. Wild. Seed.

441178. PMT-4159. Collected September 1977. Shackelford Co.,
Texas. 440m. Collected by L. Pace. Perennial herb. Wild.
Seed.

441179 TO 441181. *Petalostemon candidum* (Willd.) Michx. (Fabaceae).

From United States. Held by Knox City Plant Materials Center,

441179 TO 441181-continued

Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

441179. PMT-4009. Perennial herb. Wild. Seed.

441180. PMT-4468. Collected August 1978. Kingfisher Co., Oklahoma. 314m. Perennial herb. Wild. Seed.

441181. PMT-4486. Collected September 1978. Harman Co., Oklahoma. 570m. Perennial herb. Wild. Seed.

441182. *Petalostemon multiflorum* Nutt. (Fabaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

PMT-4288. Collected December 1977. Kay Co., Oklahoma. 333m. Collected by T. Nuemeyer. Perennial herb. Wild. Seed.

441183 TO 441184. *Petalostemon purpureum* (Vent.) Rydb. (Fabaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

441183. PMT-2597. Collected November 1970. De Witt Co., Texas. 46m. Collected by G. M. Darby. Perennial herb. Wild. Seed.

441184. PMT-4310. Collected January 1978. Carter Co., Oklahoma. Collected by L. Hewitt. Perennial herb. Wild. Seed.

441185 TO 441190. *Petalostemon* sp. (Fabaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

441185. PMT-3914. Collected August 1975. Foard Co., Texas. 439m. Collected by D. Seitz. Perennial herb. Wild. Seed.

441186. PMT-4177. Collected September 1977. Grady Co., Oklahoma. 367m. Collected by D. D. Rowley. Perennial herb. Wild. Seed.

441185 TO 441190-continued

441187. PMT-4229. Collected December 1977. Washington Co., Oklahoma. 209m. Collected by C. Hunter. Perennial herb. Wild. Seed.

441188. PMT-4232. Collected December 1977. Rogers Co., Oklahoma. 194m. Collected by A. Hamilton. Perennial herb. Wild. Seed.

441189. PMT-4279. Collected December 1977. Caddo Co., Oklahoma. 394m. Collected by G. Moreland. Perennial herb. Wild. Seed.

441190. PMT-4313. Collected January 1978. Coal Co., Oklahoma. Collected by R. Holman. Perennial herb. Wild. Seed.

441191. *Phalaris caroliniana* Walt. (Poaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.
Received January 1980.

PMT-4068. Collected November 1976. McLennan Co., Texas. Collected by R. C. Mauldin. Annual. Wild. Seed.

441192. *Phalaris stenoptera* Hack. (Poaceae) Harding grass.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.
Received January 1980.

PMT-4522. Collected November 1978. Wilbarger Co., Texas. 406m. Collected by J. Wilcox. Perennial herb. Wild. Seed.

441193 TO 441195. *Phalaris* sp. (Poaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.
Received January 1980.

441193. PMT-4004. Collected February 1976. Bell Co., Texas. 224m. Collected by D. N. Palmer. Perennial herb. Wild. Seed.

441194. PMT-4005. Collected February 1976. Bell Co., Texas. 224m. Collected by D. N. Palmer. Perennial herb. Wild. Seed.

441195. PMT-4006. Collected February 1976. Bell Co., Texas. 224m.

441193 TO 441195-continued

Collected by D. N. Palmer. Perennial herb. Wild. Seed.

441196. *Phyllostachys* sp. (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4119. Knox Co., Texas. 455m. Perennial herb. Wild.
Rhizomes.

441197 TO 441201. *Pinus brutia* Ten. (Pinaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441197. PMT-4018. Turkey. Collected April 1966. Sut
Hegenhengume. 100m. Tree. Wild. Seed.

441198. PMT-4441. A-18735. Dona Ana Co., New Mexico. Tree. Wild.
Seed.

441199. PMT-4442. Turkey. A-19304. Tree. Wild. Seed.

441200. PMT-4443. Turkey. A-19305. Tree. Wild. Seed.

441201. PMT-4444. Turkey. A-19306. Tree. Wild. Seed.

441202 TO 441211. *Pinus eldarica* Medw. (Pinaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441202. PMT-4019. Iran. Collected April 1975. Tree. Wild. Seed.

441203. PMT-4446. A-18763. Tree. Wild. Seed.

441204. PMT-4447. A-18764. Tree. Wild. Seed.

441205. PMT-4448. A-18765. Tree. Wild. Seed.

441206. PMT-4449. A-18766. Tree. Wild. Seed.

441207. PMT-4450. Iran. A-19307. Iran. Tree. Wild. Seed.

441202 TO 441211-continued

441208. PMT-4451. A-19308. Tree. Wild. Seed.

441209. PMT-4452. A-19309. Tree. Wild. Seed.

441210. PMT-4453. A-19436. Tree. Wild. Seed.

441211. PMT-4454. Afghanistan. A-19729. Tree. Wild. Seed.

441212. *Pinus halepensis* Mill. (Pinaceae) Aleppo pine.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4455. A-19737. Tree. Wild. Seed.

441213. *Pistacia* sp. (Anacardiaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4385. Collected January 1977. Tree. Wild. Seed.

441214. *Platanus occidentalis* L. (Platanaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4048. Collected September 1976. Knox Co., Texas.
455m. Collected by L. Pace and T. Bolzle. Tree. Wild.
Seed.

441215 TO 441216. *Poncirus trifoliata* (L.) Raf. (Rutaceae) Trifoliolate
orange.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441215. PMT-4013. Collected October 1975. Bowie Co., Texas. 114m.
Collected by J. M. House. Perennial woody. Wild. Seed.

441215 TO 441216-continued

441216. PMT-4073. Collected November 1976. Jack Co., Texas. 333m.
Collected by L. Pace. Perennial woody. Wild. Seed.

441217 TO 441219. *Populus sargentii* Dode (Salicaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441217. PMT-4335. Collected January 1978. Hardeman Co., Texas.
455m. Collected by L. Pace. Tree. Wild. Plants.

441218. PMT-4336. Collected January 1978. Briscoe Co., Texas.
758m. Collected by D. G. Lorenz. Tree. Wild. Plants.

441219. PMT-4344. Collected January 1978. Randall Co., Texas.
818m. Collected by L. Pace. Tree. Wild. Plants.

441220. *Prosopis tamarugo* Phil. (Fabaceae) Tamarugo.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4430. Chile. Collected April 1978. 1m. Tree. Wild.
Seed.

441221 TO 441222. *Prunus mexicana* S. Watson (Rosaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441221. PMT-3872. Collected September 1975. Somervell Co., Texas.
Perennial woody. Wild. Seed.

441222. PMT-4326. Collected January 1978. Brown Co., Texas. 407m.
Perennial woody. Wild. Seed.

441223 TO 441227. *Prunus* sp. (Rosaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441223 TO 441227-continued

441223. PMT-3847. Collected October 1975. Bowie Co., Texas.
Collected by M. McCrary. Perennial woody. Wild. Seed.
441224. PMT-3859. Collected September 1975. Oklahoma. Collected
by J. Teakell. Perennial woody. Wild. Seed.
441225. PMT-4030. Collected July 1976. Oklahoma. Collected by
C.E. Mackey. Perennial woody. Wild. Seed.
441226. PMT-4202. Collected October 1977. Coryell Co., Texas.
241m. Collected by C.C. Hoffman. Perennial woody. Wild.
Seed.
441227. PMT-4203. Collected October 1977. Coryell Co., Texas.
241m. Collected by C.C. Hoffman. Perennial woody. Wild.
Seed.

441228 TO 441229. *Psoralea cuspidata* Pursh (Fabaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

441228. PMT-3805. Collected July 1975. Knox Co., Texas.
Collected by M. McCrary. Perennial herb. Wild. Seed.
441229. PMT-4281. Collected December 1977. McLennan Co., Texas.
Collected by R.C. Mauldin. Perennial herb. Wild. Seed.

441230. *Psoralea esculenta* Pursh (Fabaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

PMT-4456. Collected July 1978. Kingfisher Co., Oklahoma.
333m. Collected by L. Litschke. Perennial herb. Wild.
Seed.

441231 TO 441239. *Psoralea tenuiflora* Pursh (Fabaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

441231. PMT-3611. Collected July 1970. Bell Co., Texas. 197m.

441231 TO 441239-continued

Collected by C. Young. Perennial herb. Wild. Seed.

441232. PMT-3617. Collected July 1970. Williamson Co., Texas.
197m. Collected by C. Young. Perennial herb. Wild. Seed.
441233. PMT-4295. Collected December 1977. Noble Co., Oklahoma.
303m. Collected by B. Harney. Perennial herb. Wild. Seed.
441234. PMT-4406. Collected March 1978. Rogers Co., Oklahoma.
182m. Collected by J. Sykora. Perennial herb. Wild. Seed.
441235. PMT-4407. Collected March 1978. Payne Co., Oklahoma.
273m. Collected by J. Sykora. Perennial herb. Wild. Seed.
441236. PMT-4457. Collected July 1978. Noble Co., Oklahoma. 333m.
Collected by D. Ankle. Perennial herb. Wild. Seed.
441237. PMT-4466. Collected August 1978. Brooks Co., Texas. 333m.
Collected by L. Litschke. Perennial herb. Wild. Seed.
441238. PMT-4577. Collected September 1978. Kent Co., Texas.
642m. Collected by H. Humberto. Perennial herb. Wild.
Seed.
441239. PMT-4578. Collected October 1978. Kent Co., Texas. 614m.
Collected by M.E. Moseley. Perennial herb. Wild. Seed.

441240 TO 441243. *Psoralea* sp. (Fabaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received January 1980.

441240. PMT-3603. Collected July 1974. Hardeman Co., Texas. 455m.
Collected by L. Pace. Perennial herb. Wild. Seed.
441241. PMT-4221. Collected November 1977. Collin Co., Texas.
185m. Collected by R. Churchill. Perennial herb. Wild.
Seed.
441242. PMT-4234. Collected December 1977. Caddo Co., Oklahoma.
411m. Collected by K.C. Davis. Perennial herb. Wild. Seed.
441243. PMT-4312. Collected January 1978. Garvin Co., Oklahoma.
297m. Collected by P. May. Perennial herb. Wild. Seed.

441244. *Pyracantha angustifolia* (Franch.) C. Schneid. (Rosaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox

441244-continued

City, Texas.

Received January 1980.

PMT-4078. Collected December 1976. Logan Co., Oklahoma.
Collected by D.G. Lorenz. Perennial woody. Wild. Seed.

441245. *Quercus falcata* Michx. (Fagaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-3856. Collected October 1975. Bowie Co., Texas.
Collected by M. McCrary. Tree. Wild. Plants.

441246 TO 441249. *Quercus macrocarpa* Michx. (Fagaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441246. PMT-3898. Collected November 1975. Bowie Co., Texas.
Collected by M. McCrary. Tree. Wild. Seed.

441247. PMT-4184. Collected October 1977. Payne Co., Oklahoma.
277m. Collected by N. Smola. Tree. Wild. Seed.

441248. PMT-4545. Collected December 1978. Somervell Co., Texas.
206m. Tree. Wild. Seed.

441249. PMT-4550. Collected December 1978. Coryell Co., Texas.
205m. Tree. Wild. Seed.

441250. *Quercus phellos* L. (Fagaceae) Willow oak.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4211. Collected November 1977. Rusk Co., Texas. 85m.
Collected by C. Solomon. Tree. Wild. Seed.

441251. *Quercus virginiana* Mill. (Fagaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox

441251-continued

City, Texas.

Received January 1980.

PMT-4191. Collected October 1977. Newton Co., Texas. 9m.
Collected by D. Stevens. Tree. Wild. Seed.

441252 TO 441256. *Quercus* sp. (Fagaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441252. PMT-3845. Collected October 1975. Bowie Co., Texas.
Collected by M. McCrary. Tree. Wild. Seed.

441253. PMT-4108. Collected November 1976. Georgia. Collected by
M. McCrary. Tree. Wild. Seed.

441254. PMT-4532. Collected November 1978. Nebraska. Collected
by D.G. Lorenz. Tree. Wild. Seed.

441255. PMT-4539. Collected December 1978. Somervell Co., Texas.
206m. Tree. Wild. Seed.

441256. PMT-4540. Collected December 1978. Somervell Co., Texas.
206m. Tree. Wild. Seed.

441257. *Redfieldia flexuosa* (Thunb.) Vasey (Eoaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-3855. Collected October 1975. Roberts Co., Texas.
803m. Collected by Wright. Perennial herb. Wild. Seed.

441258. *Rhus copallina* L. (Anacardiaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4053. Collected October 1976. Palo Pinto Co., Texas.
Collected by L. Pace. Perennial woody. Wild. Seed.

441259 TO 441260. *Rhus microphylla* Engelman (Anacardiaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441259. PMT-3925. Collected July 1975. Culberson Co., Texas.
1303m. Collected by J. Henson. Perennial woody. Wild.
Seed.

441260. PMT-4024. Collected June 1976. Taylor Co., Texas. 485m.
Collected by L. Pace. Perennial woody. Wild. Seed.

441261 TO 441262. *Rhus trilobata* Nutt. (Anacardiaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441261. PMT-3809. Collected August 1975. Woodward Co., Oklahoma.
579m. Collected by B. Hawkins. Perennial woody. Wild.
Seed.

441262. PMT-3903. Collected October 1975. Major Co., Oklahoma.
Collected by W.L. Lamar. Perennial woody. Wild. Seed.

441263. *Salix nigra* Marsh. (Salicaceae) Black willow.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4435. Collected May 1978. Bell Co., Texas. 167m.
Collected by H.W. Everett. Tree. Wild. Cuttings.

441264 TO 441265. *Schizachyrium scoparium* (Michx.) Nash (Poaceae)
Little bluestem.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441264. PMT-4057. Collected November 1976. Clay Co., Texas. 303m.
Collected by L. Pace. Perennial herb. Wild. Seed.

441265. PMT-4342. Collected January 1978. Milam Co., Texas. 161m.
Collected by R.R. Whalen. Perennial herb. Wild. Seed.

441266 TO 441267. *Setaria macrostachya* H.B.K. (Poaceae) Plains
bristlegrass.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441266. PMT-4022. Collected June 1976. Texas. Perennial herb.
Wild. Seed.

441267. PMT-4561. Collected December 1978. Pecos Co., Texas.
758m. Collected by Smith. Perennial herb. Wild. Seed.

441268 TO 441269. *Silphium laciniatum* L. (Asteraceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441268. PMT-4090. Collected August 1976. McCurtain Co., Oklahoma.
155m. Collected by B. Barter. Perennial herb. Wild. Seed.

441269. PMT-4091. Collected September 1976. Pittsburg Co.,
Oklahoma. 242m. Collected by K. Taylor. Perennial herb.
Wild. Seed.

441270. *Sitanion hystrix* (Nutt.) J. G. Sm. (Poaceae) Squirreltail.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4172. Collected September 1977. Motley Co., Texas.
739m. Collected by C. Pursley. Perennial herb. Wild. Seed.

441271 TO 441273. *Sorghastrum nutans* (L.) Nash (Poaceae) Indiangrass.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441271. PMT-3884. Collected October 1975. Kinney Co., Texas.
364m. Collected by L. Butler. Perennial herb. Wild. Seed.

441272. PMT-4303. Collected December 1977. Hill Co., Texas. 197m.
Collected by Boortz. Perennial herb. Wild. Seed.

441271 TO 441273-continued

441273. PMT-4308. Collected December 1977. Hamilton Co., Texas.
379m. Collected by R. Purdom. Perennial herb. Wild. Seed.

441274 TO 441275. *Spartina patens* (Ait.) Muhl. (Poaceae) Salt-meadow
cordgrass.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441274. PMT-3879. Collected November 1975. Calhoun Co., Texas.
Collected by D.N. Palmer. Perennial herb. Wild. Plants.

441275. PMT-3880. Collected November 1975. Brazoria Co., Texas.
Collected by D.N. Palmer. Perennial herb. Wild. Plants.

441276 TO 441277. *Spartina pectinata* Link (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441276. PMT-4096. Collected January 1977. Hemphill Co., Texas.
697m. Collected by L. McIntire. Perennial herb. Wild.
Plants.

441277. PMT-4512. Collected October 1978. Wheeler Co., Texas.
682m. Collected by C. Coffman. Perennial herb. Wild.
Plants.

441278. *Spartina* sp. (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-3997. Collected December 1975. Cameron Co., Texas.
2m. Collected by D.N. Palmer. Perennial herb. Wild.
Plants.

441279. *Sporobolus airoides* (Torr.) Torr. (Poaceae) Alkali sacaton.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

441279-continued

Received January 1980.

PMT-4559. Collected December 1978. Pecos Co., Texas.
732m. Collected by Smith. Perennial herb. Wild. Seed.

441280 TO 441283. Sporobolus giganteus Nash (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441280. PMT-3936. Collected September 1975. El Paso Co., Texas.
1140m. Collected by J. Smathers. Perennial herb. Wild.
Seed.

441281. PMT-3939. Collected August 1975. Culberson Co., Texas.
1061m. Collected by J. Henson. Perennial herb. Wild. Seed.

441282. PMT-3964. Collected November 1975. Culberson Co., Texas.
1152m. Collected by J. Henson. Perennial herb. Wild. Seed.

441283. PMT-3972. Collected July 1974. Winkler Co., Texas. 818m.
Collected by C.W. Cox. Perennial herb. Wild. Seed.

441284. Sporobolus sp. (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4227. Collected December 1977. Washington Co.,
Oklahoma. 212m. Collected by C. Hunter. Perennial herb.
Wild. Seed.

441285 TO 441286. Stipa comata Trin. & Rupr. (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441285. PMT-3851. Collected June 1975. Armstrong Co., Texas.
927m. Collected by J. Guess. Perennial herb. Wild. Seed.

441286. PMT-3861. Collected August 1975. Hartley Co., Texas.
1253m. Collected by K.D. Cunningham. Perennial herb. Wild.
Seed.

441287 TO 441289. *Stipa neomexicana* (Thurb.) Scribn. (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441287. PMT-3850. Collected May 1975. Armstrong Co., Texas. 988m.
Collected by C.W. Mayben. Perennial herb. Wild. Seed.

441288. PMT-3852. Collected July 1975. Oldham Co., Texas. 1212m.
Collected by J. Graves. Perennial herb. Wild. Seed.

441289. PMT-3860. Collected August 1975. Hartley Co., Texas.
1273m. Collected by K.D. Cunningham. Perennial herb. Wild.
Seed.

441290. *Stylosanthes fruticosa* (Retz.) Alst. (Fabaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4368. Originally from Hawaii. Perennial herb. Wild.
Seed.

441291. *Symphoricarpos orbiculatus* Moench (Caprifoliaceae) Coralherry.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4072. Collected November 1976. Jack Co., Texas. 333m.
Collected by L. Pace. Perennial woody. Wild. Seed.

441292. *Tagetes minuta* L. (Asteraceae) Wild marigold.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4373. Bulloch Co., Georgia. Annual. Wild. Seed.

441293. *Taxodium mucronatum* Ten. (Taxodiaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox

441293-continued

City, Texas.

Received January 1980.

PMT-4028. Hidalgo Co., Texas. Tree. Wild. Plants.

441294 TO 441295. *Tephrosia virginiana* (L.) Fers. (Fabaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441294. PMT-4405. Collected August 1977. Creek Co., Oklahoma.
212m. Collected by J. Sykora. Perennial herb. Wild. Seed.

441295. PMT-4434. Woodward Co., Oklahoma. Perennial herb. Wild.
Seed.

441296. *Tephrosia* sp. (Fabaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4233. Collected August 1977. Caddo Co., Oklahoma.
430m. Collected by K.C. Davis. Perennial herb. Wild. Seed.

441297 TO 441303. *Trichloris crinita* (Lag.) Farodi (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441297. PMT-3092. Collected 1972. Dimmit Co., Texas. Collected
by J.R. Hamilton. Perennial herb. Wild. Seed.

441298. PMT-3942. Collected October 1975. Pecos Co., Texas. 848m.
Collected by A.W. Miller. Perennial herb. Wild. Seed.

441299. PMT-3952. Collected October 1975. Reeves Co., Texas.
788m. Collected by G. Merz. Perennial herb. Wild. Seed.

441300. PMT-3980. Reeves Co., Texas. 773m. Collected by G. Merz.
Perennial herb. Wild. Seed.

441301. PMT-3984. Collected September 1974. Pecos Co., Texas.
773m. Collected by A.W. Miller. Perennial herb. Wild.
Seed.

441297 TO 441303-continued

441302. PMT-4249. Collected July 1977. Ward Co., Texas. 780m.
Collected by W.R. Bauer. Perennial herb. Wild. Seed.

441303. PMT-4566. Collected September 1978. Pecos Co., Texas.
785m. Collected by Smith. Perennial herb. Wild. Seed.

441304 TO 441305. *Tridens nuticus* (Torr.) Nash (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441304. PMT-3969. Collected October 1974. Reeves Co., Texas.
970m. Collected by D. Mooney. Perennial herb. Wild. Seed.

441305. PMT-3981. Collected October 1974. Reeves Co., Texas.
788m. Collected by G. Merz. Perennial herb. Wild. Seed.

441306 TO 441318. *Tripsacum dactyloides* (L.) L. (Poaceae) Eastern
gamagrass.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441306. PMT-3853. Collected July 1975. Briscoe Co., Texas. 848m.
Collected by B. Rauch. Perennial herb. Wild. Rhizomes.

441307. PMT-3887. Collected November 1975. Kaufman Co., Texas.
Collected by G. Westmoreland. Perennial herb. Wild.
Rhizomes.

441308. PMT-3888. Collected November 1975. Kaufman Co., Texas.
Collected by G. Westmoreland. Perennial herb. Wild.
Rhizomes.

441309. PMT-3889. Collected November 1975. Kaufman Co., Texas.
Collected by G. Westmoreland. Perennial herb. Wild.
Rhizomes.

441310. PMT-3895. Collected December 1975. Hunt Co., Texas. 142m.
Collected by J. Lodwick. Perennial herb. Wild. Rhizomes.

441311. PMT-3947. Collected July 1975. Jeff Davis Co., Texas.
1667m. Collected by W.T. Bolzle. Perennial herb. Wild.
Rhizomes.

441312. PMT-4045. Collected September 1976. Bandall Co., Texas.

441306 TO 441318-continued

1061m. Collected by B. Casteel. Perennial herb. Wild. Rhizomes.

441313. PMT-4046. Collected October 1976. Harrison Co., Texas. Collected by L. Lodwick. Perennial herb. Wild. Rhizomes.

441314. PMT-4369. Collected February 1978. Henderson Co., Texas. Collected by E. Psencik. Perennial herb. Wild. Rhizomes.

441315. PMT-4370. Collected February 1978. Henderson Co., Texas. Collected by E. Psencik. Perennial herb. Wild. Rhizomes.

441316. PMT-4402. Collected September 1977. Wheeler Co., Texas. 670m. Collected by C. Coffman. Perennial herb. Wild. Rhizomes.

441317. PMT-4495. Collected October 1978. Franklin Co., Texas. 136m. Collected by B. Kral. Perennial herb. Wild. Rhizomes.

441318. PMT-4587. Collected 1978. Menard Co., Texas. 598m. Collected by J. Galbraith. Perennial herb. Wild. Rhizomes.

441319 TO 441320. *Ulmus crassifolia* Nutt. (Ulmaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.
Received January 1980.

441319. PMT-4052. Collected November 1976. Palo Pinto Co., Texas. Collected by L. Pace. Tree. Wild. Seed.

441320. PMT-4536. Collected November 1978. Somervell Co., Texas. 206m. Tree. Wild. Seed.

441321. *Ungnadia speciosa* Endl. (Sapindaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.
Received January 1980.

PMT-3868. Collected August 1975. Mitchell Co., Texas. 611m. Collected by P. Reily. Perennial woody. Wild. Seed.

441322. *Vaccinium arboreum* Marsh. (Ericaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox

441322-continued

City, Texas.

Received January 1980.

PMT-3843. Collected October 1975. Bowie Co., Texas.
Collected by M. McCrary. Perennial woody. Wild. Seed.

441323 TO 441324. *Viburnum rufidulum* Raf. (Caprifoliaceae) Rusty
blackhaw.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441323. PMT-3841. Collected October 1975. Bowie Co., Texas.
Collected by M. McCrary. Perennial woody. Wild. Seed.

441324. PMT-4075. Collected November 1976. Jack Co., Texas. 333m.
Collected by L. Pace. Perennial woody. Wild. Seed.

441325. *Vicia sativa* subsp. *nigra* (L.) Ehrh. (Fabaceae) Blackpod vetch.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4481. Collected May 1978. Bowie Co., Texas. 107m.
Collected by J. Patrick. Annual. Wild. Seed.

441326. *Vicia villosa* Roth (Fabaceae) Hairy vetch.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4490. Collected October 1978. Caldwell Co., Texas.
170m. Collected by M.W. Carlton. Annual. Wild. Seed.

441327. *Vinca* sp. (Apocynaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4084. Collected December 1976. Burnet Co., Texas.
394m. Collected by D.N. Palmer. Perennial herb. Wild.

441327-continued

Plants.

441328 TO 441330. *Vitis* sp. (Vitaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441328. PMT-3904. Collected November 1975. Collin Co., Texas.
Collected by Brashier. Perennial woody. Wild. Plants.

441329. PMT-3905. Collected November 1975. Dallas Co., Texas.
Collected by J. O'Conner. Perennial woody. Wild. Plants.

441330. PMT-4001. Collected January 1976. Beaver Co., Oklahoma.
788m. Collected by S. Viles. Perennial woody. Wild.
Plants.

441331. *Yucca* sp. (Agavaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4033. Collected 1973. Perennial herb. Wild. Plants.

441332. *Zea perennis* (Hitchc.) Reeves & Mangelsd. (Poaceae) Perennial
teosinte.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

PMT-4333. Perennial herb. Wild. Seed.

441333 TO 441337. *Ziziphus jujuba* Mill. (Rhamnaceae) Common jujube.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received January 1980.

441333. PMT-4097. Collected January 1977. Oklahoma. Collected by
E. L. Sidensticker. Perennial woody. Wild. Seed.

441334. PMT-4181. Collected September 1977. Harris Co., Texas.

441333 TO 441337-continued

15m. Collected by G. A. Dillard. Perennial woody. Wild. Seed.

441335. PMT-4337. Collected October 1977. Wilbarger Co., Texas. 402m. Collected by C. D. Dickens. Perennial woody. Wild. Seed.

441336. PMT-4389. Collected October 1977. Erath Co., Texas. 400m. Collected by T. Yowell. Perennial woody. Wild. Seed.

441337. PMT-4488. Collected September 1978. Dewey Co., Oklahoma. 634m. Collected by R. Shannon. Perennial woody. Wild. Seed.

441338. Undetermined (Fabaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received January 1980.

PMT-3916. Collected September 1975. Wichita Co., Texas. 309m. Collected by W.H. Lewis. Perennial herb. Wild. Seed.

441339 TO 441383. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From Indonesia. Donated by S. Djojoderdjo and Soebekti, University of Gadjah Mada, Jogjakarta. Received through INTSOY, University of Puerto Rico, Mayaguez, Puerto Rico.

Received February 1979.

441339. No. 1248 (Davros). Cultivated. Seed.

441340. No. 1345. Cultivated. Seed.

441341. Taichung No. 1290. Cultivated. Seed.

441342. 1. Bunyawangi, East Java. Maturity 92 days. Seeds yellow with brown mottling. Cultivated. Seed.

441343. 2. Bunyawangi, East Java. Maturity 80 days. Seeds yellow. Cultivated. Seed.

441344. 4. Purwokerto, Central Java. Seeds yellow. Cultivated. Seed.

441345. 6. Tulungagung, East Java. Maturity 99 days. Seeds yellowish-green. Cultivated. Seed.

441346. 9. Nganjuk, East Java. Maturity 89 days. Seeds yellow.

441339 TO 441383-continued

Cultivated. Seed.

441347. 10. Nganjuk, East Java. Maturity 99 days. Seeds yellowish-green. Cultivated. Seed.
441348. 11. Nganjuk, East Java. Maturity 99 days. Seeds yellow with brown mottling. Cultivated. Seed.
441349. 13. Nganjuk, East Java. Maturity 92 days. Seeds green. Cultivated. Seed.
441350. 18. Kertosono, East Java. Maturity 99 days. Seeds green with brown mottling. Cultivated. Seed.
441351. 20. Kertosono, East Java. Maturity 104 days. Seeds greenish-yellow. Cultivated. Seed.
441352. 21. Kediri, East Java. Maturity 104 days. Seeds greenish-yellow. Cultivated. Seed.
441353. 22. Kebumen, Central Java. Maturity 89 days. Seeds yellow. Cultivated. Seed.
441354. 23. Kebumen, Central Java. Maturity 80 days. Seeds yellow, some *Cercospora kikuchii* infection. Cultivated. Seed.
441355. 25. Kebumen, Central Java. Maturity 89 days. Seeds black. Cultivated. Seed.
441356. 28. Ponarago, East Java. Maturity 99 days. Seeds greenish-yellow. Some *Cercospora kikuchii* infection. Cultivated. Seed.
441357. 30. Kendal, Central Java. Maturity 80 days. Seeds yellow. Cultivated. Seed.
441358. 31. Kendal, Central Java. Maturity 80 days. Seeds yellow. Cultivated. Seed.
441359. 32. Weleri, Central Java. Maturity 80 days. Seeds green with black mottling. Cultivated. Seed.
441360. 33. Kendal, Central Java. Maturity 89 days. Seeds yellow. Cultivated. Seed.
441361. 35. Kendal, Central Java. Maturity 80 days. Seeds yellow. Cultivated. Seed.
441362. 36. Kendal, Central Java. Maturity 89 days. Seeds green. Cultivated. Seed.
441363. 37. Blitar, East Java. Maturity 99 days. Seeds green.

441339 TO 441383-continued

- Cultivated. Seed.
441364. 38. Water, Central Java. Seeds green. Cultivated. Seed.
441365. 40. Nganjuk, East Java. Maturity 99 days. Seeds yellowish-green. Cultivated. Seed.
441366. 41. Banyuwangi, East Java. Maturity 99 days. Seeds yellow. Cultivated. Seed.
441367. 44. Penarukan, Madura. Maturity 99 days. Seeds yellowish-green. Cultivated. Seed.
441368. 46. Central Java. Maturity 89 days. Seeds yellow. Cultivated. Seed.
441369. 47. Tuban, East Java. Maturity 104 days. Seeds yellowish-green. Cultivated. Seed.
441370. 49. Blitar, East Java. Maturity 104 days. Seeds green. Cultivated. Seed.
441371. 51. Subah, East Java. Maturity 104 days. Seeds greenish-yellow. Cultivated. Seed.
441372. 57. Subah, Java. Maturity 99 days. Seeds yellow. Cultivated. Seed.
441373. 59. Subah, Central Java. Maturity 104 days. Seeds black. Cultivated. Seed.
441374. 64. Bandungan, Mayelany, Central Java. Maturity 104 days. Seeds green. Cultivated. Seed.
441375. 65. Magolany, Central Java. Maturity 92 days. Seeds greenish-yellow. Cultivated. Seed.
441376. 67. Sumbarva Besar, West Nuca Tenggara. Maturity 95 days. Seeds greenish-yellow. Cultivated. Seed.
441377. 69. Sumbarva Besar, West Nuca Tenggara. Maturity 95 days. Seeds yellow. Cultivated. Seed.
441378. 70. Jombor, East Java. Maturity 72 days. Seeds yellow. Cultivated. Seed.
441379. 72. Madiun, East Java. Maturity 83 days. Seeds greenish-yellow. Cultivated. Seed.
441380. 73. Madiun, East Java. Maturity 80 days. Seeds black. Cultivated. Seed.
441381. 74. Nglamer, Madiun, East Java. Maturity 80 days. Seeds

441339 TO 441383-continued
black. Cultivated. Seed.

441382. 76. Nglamer, Madiun, East Java. Maturity 83 days. Seeds greenish-yellow. Cultivated. Seed.

441383. 77. Jivan, Madiun, East Java. Maturity 83 days. Seeds greenish-yellow. Cultivated. Seed.

441384 TO 441507. *Abelmoschus esculentus* (L.) Moench (Malvaceae) Okra.

From Brazil. Collected by H.T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

441384. 46. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 3083. Collected July 1978. Originally from Afganistan. Local name Quiabo. Cultivated. Seed.

441385. 47. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 3084. Collected 1978. Originally from Afganistan. Local name Quiabo. Cultivated. Seed.

441386. 48. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 3088. Collected 1978. Originally from Africa. Local name Quiabo. Cultivated. Seed.

441387. 49. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 3098. Collected 1978. Originally from Guatemala. Local name Quiabo. Cultivated. Seed.

441388. 300. Banco de Germplasma de Hortalias. EGH 5. Collected September 13, 1966. Igarope, Minas Gerais. Fruits five-loculed, light green. Local name Quiabo. Cultivated. Seed.

441389. 301. Banco de Germplasma de Hortalias. EGH 6. Collected September 14, 1966. Matozinho, Minas Gerais. Local name Quiabo. Cultivated. Seed.

441390. 302. Banco de Germplasma de Hortalias. EGH 8. Collected September 14, 1966. Matozinho, Minas Gerais. Local name Quiabo. Cultivated. Seed.

441391. 303. Banco de Germplasma de Hortalias. EGH 9. Collected September 14, 1966. Matozinho, Minas Gerais. Fruits nine-loculed. Local name Quiabo. Cultivated. Seed.

441392. 304. Banco de Germplasma de Hortalias. EGH 36. Collected September 20, 1966. Teofilo Otoni, Minas Gerais. Flowers with red blotch. Fruits long, round, seven-loculed. Local name Quiabo. Cultivated. Seed.

441393. 305. Banco de Germplasma de Hortalias. EGH 100.

441384 TO 441507-continued

- Collected September 20, 1966. Feira de Santana, Bahia. Stems light green. Fruits long. Local name Quiabo. Cultivated. Seed.
441394. 306. Banco de Germplasma de Hortalias. EGH 101. Collected September 22, 1966. Feira de Santana, Bahia. Stems to 2m, dark red. Fruits large, reddish. Local name Quiabo. Cultivated. Seed.
441395. 307. Banco de Germplasma de Hortalias. EGH 126. Collected September 23, 1966. Salvadore, Bahia. Local name Quiabo. Cultivated. Seed.
441396. 308. Banco de Germplasma de Hortalias. EGH 132. Collected September 24, 1966. Estancia, Sergipe. Local name Quiabo. Cultivated. Seed.
441397. 309. Banco de Germplasma de Hortalias. EGH 149. Collected September 25, 1966. Market, Aracaju, Sergipe. Pods long, light green, slightly pigmented. Local name Quiabo branco. Cultivated. Seed.
441398. 310. Banco de Germplasma de Hortalias. EGH 182. Collected September 27, 1966. Vitoria de Santo Antao, Pernambuco. Branches many. Fruits five-loculed, short. Local name Quiabo. Cultivated. Seed.
441399. 311. Banco de Germplasma de Hortalias. EGH 190. Collected September 27, 1966. Vitoria de Santo Antao, Pernambuco. Fruits five-loculed, long. Local name Quiabo. Cultivated. Seed.
441400. 312. Banco de Germplasma de Hortalias. EGH 295. Collected October 28, 1966. Belo Horizonte, Minas Gerais. Obtained from Brazil Extension Service. Local name Quiabo. Cultivated. Seed.
441401. 313. Banco de Germplasma de Hortalias. EGH 311. Collected November 20, 1966. Brasilia, D.F. Local name Quiabo. Cultivated. Seed.
441402. 314. Banco de Germplasma de Hortalias. EGH 339. Collected November 21, 1966. Goiania, Goias. Fruits five-loculed, elongated. Local name Chefre de Viado. Cultivated. Seed.
441403. 315. Banco de Germplasma de Hortalias. EGH 345. Collected November 22, 1966. Jussara, Goias. Local name Quiabo. Cultivated. Seed.
441404. 316. Banco de Germplasma de Hortalias. EGH 348. Collected November 22, 1966. Jussara, Goias. Local name Quiabo. Cultivated. Seed.

441384 TO 441507-continued

441405. 317. Banco de Germplasma de Hortalicas. EGH 358.
Collected November 22, 1966. Jussara, Goias. Local name
Quiabo. Cultivated. Seed.
441406. 318. Banco de Germplasma de Hortalicas. EGH 361.
Collected November 22, 1966. Jussara, Goias. Flowers
without red blotch. Local name Quiabo. Cultivated. Seed.
441407. 319. Banco de Germplasma de Hortalicas. EGH 395.
Collected November 23, 1966. Goias, Goias. Local name
Quiabo. Cultivated. Seed.
441408. 320. Banco de Germplasma de Hortalicas. EGH 435.
Collected November 23, 1966. Goias, Goias. Local name
Quiabo. Cultivated. Seed.
441409. 321. Banco de Germplasma de Hortalicas. BGH 462.
Collected November 24, 1966. Itabirai, Goias. Local name
Quiabo. Cultivated. Seed.
441410. 322. Banco de Germplasma de Hortalicas. BGH 507.
Collected November 25, 1966. Goiania, Goias. Local name
Quiabo. Cultivated. Seed.
441411. 323. Banco de Germplasma de Hortalicas. BGH 547.
Collected November 26, 1966. Unai, Minas Gerais. Fruits
ten-loculed, medium-long. Local name Quiabo. Cultivated.
Seed.
441412. 324. Banco de Germplasma de Hortalicas. BGH 548.
Collected November 26, 1966. Unai, Minas Gerais. Fruits
five-loculed, medium-long. Local name Quiabo. Cultivated.
Seed.
441413. 325. Banco de Germplasma de Hortalicas. BGH 577.
Collected December 01, 1966. Novo Freiburgo, Rio de
Janeiro. Fruits short. Local name Quiabo. Cultivated.
Seed.
441414. 326. Banco de Germplasma de Hortalicas. BGH 643.
Collected December 14, 1966. Sao Joao de Rei, Minas
Gerais. Fruits short. Local name Chifre de Veado.
Cultivated. Seed.
441415. 327. Banco de Germplasma Hortalicas. BGH 667. Collected
December 15, 1966. Lavras, Minas Gerais. Obtained from
Brazil Experiment Station. Local name Quiabo de galho.
Cultivated. Seed.
441416. 328. Banco de Germplasma de Hortalicas. EGH 669.
Collected December 15, 1966. Sao Goncalo de Sapucaí,
Minas Gerais. Fruits eight-loculed, blocky. Local name

441384 TO 441507-continued

- Quiabo. Cultivated. Seed.
441417. 329. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 693. Collected January 05, 1967. Itiquira, Goias. Fruits elongated. Local name Quiabo. Cultivated. Seed.
441418. 330. Banco de Germplasma de Hortalias. BGH 740. Collected January 09, 1967. Cuiaba, Mato Grosso. Local name Quiabo. Cultivated. Seed.
441419. 331. Banco de Germplasma de Hortalias. BGH 1141. Local name Quiabo. Cultivated. Seed.
441420. 332. Banco de Germplasma de Hortalias. EGH 1248. Local name Quiabo. Cultivated. Seed.
441421. 333. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1712. Collected September 07, 1967. Nobres, Minas Gerais. Local name Quiabo Dedo de Moca. Cultivated. Seed.
441422. 334. Banco de Germplasma de Hortalias. BGH 2218. Collected 1967. Local name Quiabo. Cultivated. Seed.
441423. 335. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4018. Collected October 16, 1967. Alegre, Espirito Santos. Fruits five-loculed, medium-long. Local name Quiabo. Cultivated. Seed.
441424. 336. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4020. Collected October 20, 1967. Alegre, Espirito Santos. Local name Quiabo. Cultivated. Seed.
441425. 337. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4021. Collected October 20, 1967. Guacui, Espirito Santos. Fruits ten-loculed, short, reddish. Local name Quiabo roxo. Cultivated. Seed.
441426. 338. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4024. Collected October 20, 1967. Amarelo, Espirito Santos. Fruits short, spiny. Local name Quiabo. Cultivated. Seed.
441427. 339. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4022. Collected October 20, 1967. Guacui, Espirito Santos. Fruits five-loculed, medium-long. Local name Quiabo. Cultivated. Seed.
441428. 340. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4027. Collected October 18, 1967. Colatina, Espirito Santos. Local name Quiabo. Cultivated. Seed.

441384 TO 441507-continued

441429. 341. Brazil. Vicosá, Minas Gerais. Banco de Germplasm de Hortálicas. BGH 4028. Collected October 18, 1967. Aimores, Minas Gerais. Local name Quiabo. Cultivated. Seed.
441430. 342. Brazil. Vicosá, Minas Gerais. Banco de Germplasm de Hortálicas. BGH 4030. Collected October 18, 1967. Itueta, Minas Gerais. Local name Quiabo. Cultivated. Seed.
441431. 343. Brazil. Vicosá, Minas Gerais. Banco de Germplasm de Hortálicas. BGH 4031. Collected October 18, 1967. Itueta, Minas Gerais. Local name Quiabo. Cultivated. Seed.
441432. 344. Brazil. Vicosá, Minas Gerais. Banco de Germplasm de Hortálicas. BGH 4032. Collected October 18, 1967. Aimores, Minas Gerais. Fruits long, narrow. Local name Quiabo de 60 dias. Cultivated. Seed.
441433. 345. Brazil. Vicosá, Minas Gerais. Banco de Germplasm de Hortálicas. BGH 4034. Collected October 18, 1967. Mutum, Minas Gerais. Local name Quiabo. Cultivated. Seed.
441434. 346. Brazil. Vicosá, Minas Gerais. Banco de Germplasm de Hortálicas. BGH 4035. Collected October 18, 1967. Ipanema, Minas Gerais. Fruits nine-loculed, short, thick. Local name Quiabo. Cultivated. Seed.
441435. 347. Brazil. Vicosá, Minas Gerais. Banco de Germplasm de Hortálicas. BGH 4036. Collected October 18, 1967. Manhuacu, Minas Gerais. Local name Quiabo. Cultivated. Seed.
441436. 348. Brazil. Vicosá, Minas Gerais. Banco de Germplasm de Hortálicas. BGH 4037. Collected October 14, 1967. Manhuacu, Minas Gerais. Fruits small, thin. Local name Quiabo. Cultivated. Seed.
441437. 349. Brazil. Vicosá, Minas Gerais. Banco de Germplasm de Hortálicas. BGH 4040. Collected October 14, 1967. Manhuacu, Minas Gerais. Fruits small. Local name Quiabo. Cultivated. Seed.
441438. 350. Brazil. Vicosá, Minas Gerais. Banco de Germplasm de Hortálicas. BGH 4041. Collected October 14, 1967. Atre Campo, Minas Gerais. Branches many. Fruits nine-loculed, 4 x 15cm. Local name Quiabo. Cultivated. Seed.
441439. 351. Brazil. Vicosá, Minas Gerais. Banco de Germplasm de Hortálicas. BGH 4042. Collected October 14, 1967. Atre Campo, Minas Gerais. Branches many. Fruits small, rounded. Local name Quiabo. Cultivated. Seed.

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441440. 352. Brazil. Vicosa, Minas Gerais. Banco de Germplasm de Hortalicas. BGH 4114. Collected October 14, 1967. Abre Campo, Minas Gerais. Fruits thin. Local name Quiabo. Cultivated. Seed.
441441. 353. Brazil. Vicosa, Minas Gerais. Banco de Germplasm de Hortalicas. BGH 4115. Collected October 14, 1967. Manhuacu, Minas Gerais. Fruits five-loculed. Local name Quiabo. Cultivated. Seed.
441442. 354. Brazil. Vicosa, Minas Gerais. Banco de Germplasm de Hortalicas. BGH 4359. Collected September 1968. Km 47, Rio de Janeiro. Selection of "chifre de viado" type. Local name Quiabo piranema. Cultivated. Seed.
441443. 355. Brazil. Vicosa, Minas Gerais. Banco de Germplasm de Hortalicas. BGH 4364. Collected September 05, 1968. Capinopolis, Minas Gerais. Local name Chifre de viado. Cultivated. Seed.
441444. 356. Brazil. Vicosa, Minas Gerais. Banco de Germplasm de Hortalicas. BGH 4374. Collected August 23, 1968. Pedra Afonso, Goias. Local name Quiabo. Cultivated. Seed.
441445. 357. Banco de Germplasma de Hortalicas. BGH 4459. Collected 1978. Vicosa, Minas Gerais. Local name Chifre de viado. Cultivated. Seed.
441446. 358. Banco de Germplasma de Hortalicas. BGH 4824. Collected 1978. Vicosa, Minas Gerais. Local name Quiabo. Cultivated. Seed.
441447. 359. Banco de Germplasma de Hortalicas. BGH 4884. Collected 1978. Terezopolis, Rio de Janeiro. Local name Quiabo. Cultivated. Seed.
441448. 360. Banco de Germplasma de Hortalicas. BGH 4885. Collected 1978. Santa Maria, Espirito Santos. Local name Quiabo. Cultivated. Seed.
441449. 361. Banco de Germplasma de Hortalicas. BGH 4886. Collected 1978. Caldeiros, Espirito Santos. Local name Quiabo. Cultivated. Seed.
441450. 362. Banco de Germplasma de Hortalicas. BGH 4887. Collected 1978. Manaus, Amazonas. Fruits five-loculed, dark green. Local name Quiabo. Cultivated. Seed.
441451. 363. Banco de Germplasma de Hortalicas. BGH 4888. Collected 1978. Ilha Careiro, Amazonas. Local name Cabaclo grande. Cultivated. Seed.

441384 TO 441507-continued

441452. 364. Banco de Germplasma de Hortalias. EGH 4889.
Collected 1978. Ilha Careiro, Amazonas. Local name Quiabo.
Cultivated. Seed.
441453. 365. Banco de Germplasma de Hortalias. EGH 4890.
Collected 1978. Ilha Careiro, Amazonas. Local name Quiabo.
Cultivated. Seed.
441454. 366. Banco de Germplasma de Hortalias. EGH 4892.
Collected 1978. Manacopuru, Amazonas. Local name Quiabo.
Cultivated. Seed.
441455. 367. Banco de Germplasma de Hortalias. EGH 4900.
Collected 1978. Alto S. Jose, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441456. 368. Banco de Germplasma de Hortalias. EGH 4901.
Collected 1978. Cedrolandia, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441457. 369. Banco de Germplasma de Hortalias. EGH 4903.
Collected 1978. Cedrolandia, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441458. 370. Banco de Germplasma de Hortalias. EGH 4904.
Collected 1978. Cedrolandia, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441459. 371. Banco de Germplasma de Hortalias. EGH 4905.
Collected 1978. Cedrolandia, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441460. 372. Banco de Germplasma de Hortalias. EGH 4906.
Collected 1978. Varzea Alegre, Minas Gerais. Local name
Quiabo. Cultivated. Seed.
441461. 373. Banco de Germplasma de Hortalias. EGH 4907.
Collected 1978. Sao Anjo, Mutum, Minas Gerais. Local name
Quiabo. Cultivated. Seed.
441462. 374. Banco de Germplasma de Hortalias. EGH 4908.
Collected 1978. Sao Anjo, Mutum, Minas Gerais. Local name
Quiabo. Cultivated. Seed.
441463. 375. Banco de Germplasma de Hortalias. EGH 4891.
Collected 1978. Ilha Careiro, Amazonas. Local name Quiabo.
Cultivated. Seed.
441464. 376. Banco de Germplasma de Hortalias. EGH 4893.
Collected 1978. Manacopuru, Amazonas. Local name Quiabo.
Cultivated. Seed.

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441465. 377. Banco de Germplasma de Hortalias. EGH 4894.
Collected 1978. Lago Puriru. Local name Quiabo.
Cultivated. Seed.
441466. 378. Banco de Germplasma de Hortalias. EGH 4897.
Collected 1978. Urucara, Amazonas. Local name Quiabo.
Cultivated. Seed.
441467. 379. Banco de Germplasma de Hortalias. EGH 4899.
Collected 1978. Alto Sao Jose, Espirito Santos. Local
name Quiabo. Cultivated. Seed.
441468. 380. Banco de Germplasma de Hortalias. EGH 4909.
Collected 1978. Sao Anjo, Mutum, Minas Gerais. Local name
Quiabo. Cultivated. Seed.
441469. 381. Banco de Germplasma de Hortalias. EGH 4910.
Collected 1978. Sao Anjo, Mutum, Minas Gerais. Local name
Quiabo. Cultivated. Seed.
441470. 382. Banco de Germplasma de Hortalias. EGH 4911.
Collected 1978. Sao Roque, Minas Gerais. Local name
Quiabo. Cultivated. Seed.
441471. 383. Banco de Germplasma de Hortalias. EGH 4912.
Collected 1978. Prosperidade, Minas Gerais. Local name
Quiabo. Cultivated. Seed.
441472. 384. Banco de Germplasma de Hortalias. EGH 4913.
Collected 1978. Mutum, Minas Gerais. Local name Quiabo.
Cultivated. Seed.
441473. 385. Banco de Germplasma de Hortalias. EGH 4914.
Collected 1978. Mutum, Minas Gerais. Local name Quiabo.
Cultivated. Seed.
441474. 386. Banco de Germplasma de Hortalias. EGH 4915.
Collected 1978. Loginho, Minas Gerais. Local name Quiabo.
Cultivated. Seed.
441475. 387. Banco de Germplasma de Hortalias. EGH 4916.
Collected 1978. Loginho, Minas Gerais. Local name Quiabo.
Cultivated. Seed.
441476. 388. Banco de Germplasma de Hortalias. EGH 4917.
Collected 1978. Loginho, Minas Gerais. Local name Quiabo.
Cultivated. Seed.
441477. 389. Banco de Germplasma de Hortalias. EGH 4920.
Collected 1978. Petropolis, Espirito Santos. Local name
Quiabo. Cultivated. Seed.

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441478. 390. Banco de Germplasma de Hortalicas. EGH 4921.
Collected 1978. Ituita, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441479. 391. Banco de Germplasma de Hortalicas. EGH 4922.
Collected 1978. Aimores, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441480. 392. Banco de Germplasma de Hortalicas. BGH 4923.
Collected 1978. Mantenopolis, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441481. 393. Banco de Germplasma de Hortalicas. BGH 4924.
Collected 1978. Cedrolandia, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441482. 394. Banco de Germplasma de Hortalicas. BGH 4925.
Collected 1978. Guararema, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441483. 395. Banco de Germplasma de Hortalicas. BGH 4926.
Collected 1978. Guararema, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441484. 396. Banco de Germplasma de Hortalicas. BGH 4927.
Collected 1978. Guararema, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441485. 397. Banco de Germplasma de Hortalicas. BGH 4928.
Collected 1978. Guararema, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441486. 398. Banco de Germplasma de Hortalicas. EGH 4929.
Collected 1978. Guararema, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441487. 399. Banco de Germplasma de Hortalicas. BGH 4930.
Collected 1978. Guararema, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441488. 400. Banco de Germplasma de Hortalicas. BGH 4931.
Collected 1978. Guararema, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441489. 401. Banco de Germplasma de Hortalicas. EGH 4932.
Collected 1978. Guararema, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441490. 402. Banco de Germplasma de Hortalicas. BGH 4934.
Collected 1978. Mutum, Espirito Santos. Local name Quiabo.
Cultivated. Seed.

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441491. 403. Banco de Germplasma de Hortalicas. BGH 4935.
Collected 1978. Mutum, Espirito Santos. Local name Quiabo.
Cultivated. Seed.
441492. 404. Banco de Germplasma de Hortalicas. BGH 4936.
Collected 1978. Mutum, Espirito Santos. Local name Quiabo.
Cultivated. Seed.
441493. 405. Banco de Germplasma de Hortalicas. BGH 4937.
Collected 1978. Mutum, Espirito Santos. Local name Quiabo
gigante. Cultivated. Seed.
441494. 406. Banco de Germplasma de Hortalicas. BGH 4938.
Collected 1978. Petropolis, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441495. 407. Banco de Germplasma de Hortalicas. BGH 4939.
Collected 1978. Petropolis, Espirito Santos. Local name
Quiabo roxo. Cultivated. Seed.
441496. 408. Banco de Germplasma de Hortalicas. BGH 4940.
Collected 1978. Petropolis, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441497. 409. Banco de Germplasma de Hortalicas. BGH 4941.
Collected 1978. Santa Tereza, Espirito Santos. Fruits
short. Local name Quiabo. Cultivated. Seed.
441498. 410. Banco de Germplasma de Hortalicas. BGH 4942.
Collected 1978. Santa Tereza, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441499. 411. Banco de Germplasma de Hortalicas. BGH 4943.
Collected 1978. Santa Tereza, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441500. 412. Banco de Germplasma de Hortalicas. BGH 4944.
Collected 1978. Colatina, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441501. 413. Banco de Germplasma de Hortalicas. BGH 4945.
Collected 1978. Colatina, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441502. 414. Banco de Germplasma de Hortalicas. BGH 4946.
Collected 1978. Itarana, Espirito Santos. Local name
Quiabo. Cultivated. Seed.
441503. 415. Banco de Germplasma de Hortalicas. BGH 4947.
Collected 1978. Itarana, Espirito Santos. Local name
Quiabo. Cultivated. Seed.

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441504. 416. Banco de Germplasma de Hortalias. EGH 4984.
Collected 1978. Terezopolis, Rio de Janeiro. Local name
Quiabo. Cultivated. Seed.
441505. 417. Banco de Germplasma de Hortalias. EGH 4985.
Collected 1978. Terezopolis, Rio de Janeiro. Local name
Quiabo. Cultivated. Seed.
441506. 418. Banco de Germplasma de Hortalias. EGH 4986.
Collected 1978. Manteira, Minas Gerais. Local name Quiabo
Cultivated. Seed.
441507. 419. Banco de Germplasma de Hortalias. EGH 4988.
Collected 1978. Logoa, Espirito Santos. Local name Quiabo
Cultivated. Seed.

441508. *Amaranthus* sp. (Amaranthaceae).

From Brazil. Collected by H.T. Erickson, Department of
Horticulture, Purdue University, West Lafayette, Indiana.
Received October 1978.

537. Collected August 14, 1978. Garden along Xingu
River, Altamira, Para. Local name Zinnia. Cultivated.
Seed.

441509. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Brazil. Collected by H.T. Erickson, Department of
Horticulture, Purdue University, West Lafayette, Indiana.
Received October 1978.

12. Collected July 19, 1978. Market, Belen, Para.
Cultivated. Seed.

441510. *Brassica oleracea* var. *botrytis* L. (Brassicaceae) Broccoli.

From Brazil. Collected by H.T. Erickson, Department of
Horticulture, Purdue University, West Lafayette, Indiana.
Received October 1978.

499. Ramoso. Collected July 28, 1978. Viscosa, Minas
Gerais. Cultivated. Seed.

441511. *Brassica oleracea* var. *botrytis* L. (Brassicaceae) Cauliflower.

From Brazil. Collected by H.T. Erickson, Department of
Horticulture, Purdue University, West Lafayette, Indiana.

441511-continued

Received October 1978.

497. Terezopolis. Collected July 28, 1979. Viscosa, Minas Gerais. Locally selected at Terezopolis, Rio de Janeiro. Produces well at elevation of 1000m in subtropics. Cultivated. Seed.

441512 TO 441515. *Cajanus cajan* (L.) Huth (Fabaceae) Pigeon pea.

From Brazil. Collected by H.T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

441512. 60. Collected August 03, 1978. Alta Paraiso, Goias, north of Brasilia. Grown as isolated garden plants. Pods tan. Seeds tan. Local name Guandu. Cultivated. Seed.

441513. 61. Collected August 03, 1978. Alta Paraiso, Goias, north of Brasilia. Garden plants. Pods purple. Seeds tan, slightly speckled. Local name Guandu. Cultivated. Seed.

441514. 62. Collected August 03, 1978. Sao Gabriel, Goias, north of Brasilia. Garden plants. Seeds dark brown. Local name Guandu. Cultivated. Seed.

441515. 517. Collected August 06, 1978. Market, Fosse, Goias. Seeds tan or black and tan. Local name Guandu. Cultivated. Seed.

441516 TO 441597. *Capsicum baccatum* var. *pendulum* (Willd.) Eshbaugh (Solanaceae) Aji.

From Brazil. Collected by H.T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

441516. 101. Banco de Germplasma de Hortalias. EGH 66. Collected September 21, 1966. Km 1259, Rio Bahia Highway, Jeque, Bahia. Plants bushy, to 1 m tall and wide. Fruits dark green when immature, red at maturity, 2 x 5cm. Local name pimenta sete molhos. Wild. Seed.

441517. 103. Banco de Germplasma de Hortalias. EGH 72. Collected September 22, 1966. Market, Feira de Santana, Bahia. Fruits long, very narrow, strong flavor. Local name pimenta dedo de moça. Cultivated. Seed.

441518. 106. Banco de Germplasma de Hortalias. EGH 80. Collected September 22, 1966. Feira de Santana, Bahia. Fruits 1.5 x 3cm, red, strong flavor. Local name pimenta de cheiro. Wild. Seed.

441516 TO 441597-continued

441519. 107. Banco de Germplasma de Hortalicas. EGH 81.
Collected September 22, 1966. Market, Feira de Santana,
Bahia. Fruits round, flattened, grooved between locules,
red, strong flavor. Local name pimento de cheiro.
Cultivated. Seed.
441520. 124. Banco de Germplasma de Hortalicas. EGH 181.
Collected September 27, 1966. Vitoria de St. Antao,
Pernambuco. Obtained from Brazil State Experiment Station.
Fruits 2 x 10cm, red, not astringent, abundant. Local
name Pimenta vermelha. Cultivated. Seed.
441521. 128. Banco de Germplasma de Hortalicas. EGH 304.
Collected February 11, 1967. Small farm, Vicoso, Minas
Gerais. Fruits round, 2.5 x 2.5cm, red. Local name
pimenta. Cultivated. Seed.
441522. 130. Banco de Germplasma de Hortalicas. EGH 323.
Goiania, Goias. Fruits elongated, 1.5 x 6cm, red. Local
name pimenta. Wild. Seed.
441523. 131. Banco de Germplasma de Hortalicas. EGH 337.
Collected November 19, 1966. Sete Lagoas, Minas Gerais.
Fruits small, round, red. Local name pimenta. Wild. Seed.
441524. 132. Banco de Germplasma de Hortalicas. EGH 341.
Collected November 21, 1966. Japanese grower's farm,
Goiania, Goias. Fruits 2 x 6cm, red. Local name pimenta.
Cultivated. Seed.
441525. 134. Banco de Germplasma de Hortalicas. EGH 366.
Collected November 22, 1966. Garden, Jussara, Goias.
Fruits long, thin, 1 x 6cm, red. Local name pimenta.
Cultivated. Seed.
441526. 136. Banco de Germplasma de Hortalicas. EGH 412.
Collected November 23, 1966. Farm, Goias, Goias. Fruits
5cm long, narrow. Local name pimenta. Wild. Seed.
441527. 140. Banco de Germplasma de Hortalicas. EGH 481.
Collected November 24, 1966. Farm, Inhumas, Goias. Fruits
elongated, 1 x 4cm, red. Local name pimenta. Wild. Seed.
441528. 142. Banco de Germplasma de Hortalicas. EGH 620.
Collected December 14, 1966. Sao Joao del Rei, Minas
Gerais. Fruits small, round. Local name pimenta. Wild.
Seed.
441529. 143. Banco de Germplasma de Hortalicas. EGH 631.
Collected December 14, 1966. Farm, Sao Joao de Rei, Minas
Gerais. Fruits small, heart-shaped, red. Local name
pimenta. Wild. Seed.

441516 TO 441597-continued

441530. 144. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 682. Collected January 03, 1967. Roadside, Brasilia, D.F. Fruits round, flattened, orange. Local name pimenta pitonga. Wild. Seed.
441531. 146. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 823. Collected January 20, 1967. Market, Juiz de Fora, Minas Gerais. Fruits blocky, pointed, 5cm long, red. Local name pimenta. Cultivated. Seed.
441532. 147. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 824. Collected January 20, 1967. Market, Juiz de Fora, Minas Gerais. Fruits blocky, 5 x 5 cm, red. Local name pimenta. Cultivated. Seed.
441533. 148. Brazil. Campinas, Sao Paulo. Agriculture Institute of Campinas. IAC 3547. Banco de Germplasma de Hortalicas. BGH 952. Collected December 28, 1966. Fruits narrow, long, 1.5 x 10cm, red. Local name pimenta, chifre de viado. Cultivated. Seed.
441534. 149. Brazil. Campinas, Sao Paulo. Agriculture Institute of Campinas. IAC 1158. Banco de Germplasma de Hortalicas. BGH 953. Collected December 28, 1966. Fruits wedge-shaped, 2 x 5cm. Local name pimenta comum. Cultivated. Seed.
441535. 155. Banco de Germplasma de Hortalicas. BGH 1022. Collected February 27, 1967. Market, Belo Horizonte, Minas Gerais. Fruits narrow, long, 1 x 7cm red. Local name pimenta. Cultivated. Seed.
441536. 156. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1030. Collected March 22, 1967. Mogi das Cruzes, Sao Paulo. Fruits 2.5 x 12cm, red. Local name pimenta. Cultivated. Seed.
441537. 157. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1033. Collected March 21, 1967. Farm, Bebedouro, Sao Paulo. Fruits 3.5cm long. Local name pimenta. Cultivated. Seed.
441538. 158. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1034. Collected March 21, 1967. Farm, Bebedouro, Sao Paulo. Fruits cylindrical, 4cm long, red. Local name pimenta. Cultivated. Seed.
441539. 159. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1036. Collected March 21, 1967. Farm, Bebedoure, Sao Paulo. Fruits 2 x 6cm, red. Local name pimenta. Cultivated. Seed.

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441540. 160. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1037. Collected March 21, 1967. Farm, Bebedoure, Sao Paulo. Fruits 1.5 x 6cm, red. Local name pimenta. Cultivated. Seed.
441541. 161. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1038. Collected December 19, 1966. Petropolis, Rio de Janeiro. Ornamental type. Cultivated. Seed.
441542. 174. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1601. Collected April 24, 1967. Caxias do Sul, Rio Grande do Sul. Fruits small, less than 1 cm, red, pungent. Local name pimenta malequeta. Wild. Seed.
441543. 175. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1602. Collected April 24, 1967. Caxias do Sul, Rio Grande do Sul. Fruits narrow, long, 1 x 7cm, red. Local name malequeta. Cultivated. Seed.
441544. 176. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1603. Collected April 24, 1967. Caxias do Sul, Rio Grande do Sul. Fruits rounded, 4cm, red, non-pungent. Local name pimenta doce. Cultivated. Seed.
441545. 177. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1607. Collected April 24, 1967. Caxias do Sul, Rio Grande do Sul. Fruits 1 x 4cm, red, pungent. Local name pimenta malequeta. Wild. Seed.
441546. 179. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1611. Collected April 26, 1967. Pelotus, Rio Grande do Sul. Fruits 7.5 x 2.5cm, red, pungent. Local name pimenta picante. Wild. Seed.
441547. 180. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1612. Collected April 26, 1967. Pelotus, Rio Grande do Sul. Fruits 0.5 x 3cm, red, pungent. Local name pimenta picante. Wild. Seed.
441548. 181. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1622. Collected May 25, 1967. Vicosa, Minas Gerais. Fruits round, flattened, 4cm diam., 3-loculed. Local name Chaperi de Prade. Cultivated. Seed.
441549. 182. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1630. Collected May 23, 1967. Cordisburgo, Minas Gerais. Fruits long, 1.8 x 10cm, red. Cultivated. Seed.
441550. 183. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1638. Collected June 23, 1967. Vicosa,

441516 TO 441597-continued

- Minas Gerais. Fruits rounded, 2cm diam., red. Wild. Seed.
441551. 185. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1646. Collected June 28, 1967. Bcm Sucesso, Minas Gerais. Fruits flattened, 3-4cm, red. Local name pimenta. Seed.
441552. 189. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1662. Collected June 1967. Vicoso, Minas Gerais. Fruits rounded, 2cm diam., red. Local name pimenta pitanga. Wild. Seed.
441553. 193. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1668. Collected July 1967. Campo Grande, Moto Grosso. Introduced by Japanese. Fruits 2 x 8cm, red. Local name pimenta dedo de moca. Cultivated. Seed.
441554. 197. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1673. Collected July 1967. Belo Horizonte, Minas Gerais. Fruits narrow, long, 1 x 7cm, red. Local name pimenta. Cultivated. Seed.
441555. 198. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1674. Collected July 1967. S. Domingos do Prata, Minas Gerais. Fruits 1.5 x 5cm. Local name pimenta malequeta. Cultivated. Seed.
441556. 199. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1675. Collected July 1967. S. Domingos do Prata, Minas Gerais. Fruits round, slightly flattened, 1.5 x 2cm, red. Local name pimenta. Cultivated. Seed.
441557. 200. Banco de Germplasma de Hortalicas. EGH 1681. Collected 1967. Vicoso, Minas Gerais. Seed.
441558. 201. Banco de Germplasma de Hortalicas. EGH 1685. Collected 1967. Goiatuba, Goias. Local name dedo de moca. Seed.
441559. 202. Banco de Germplasma de Hortalicas. EGH 1686. Collected 1967. Vicoso, Minas Gerais. Seed.
441560. 209. Banco de Germplasma de Hortalicas. EGH 1710. Collected 1967. Nobres. Seed.
441561. 223. Banco de Germplasma de Hortalicas. EGH 1739. Collected 1967. Campinas, Sao Paulo. Seed.
441562. 225. Banco de Germplasma de Hortalicas. EGH 1760. Collected 1967. Sete Lagoas, Minas Gerais. Obtained from Brazil Research Institute. Local name chifre de viado. Seed.

441516 TO 441597-continued

441563. 228. Banco de Germplasma de Hortalias. EGH 1766. Collected 1967. Sete Logoas, Minas Gerais. Seed.
441564. 230. Banco de Germplasma de Hortalias. EGH 1771. Collected 1967. Carazinho, Rio Grande do Sul. Local name rosa. Seed.
441565. 233. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1780. Collected October 1967. Boituva, Sao Paulo. Fruits 1.5 x 7cm, red. Local name pimenta dedo de moca. Seed.
441566. 234. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1781. Collected October 1967. Itariri, Sao Paulo. Cultivated by an agricultural cooperative. Fruits slender, red. Local name dedo de moca. Cultivated. Seed.
441567. 235. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1782. Collected October 1967. Itariri, Sao Paulo. Cultivated by an agricultural cooperative. Fruits slender, 1.5 x 6cm, red. Local name pimenta. Cultivated. Seed.
441568. 236. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1783. Collected October 1967. Bigua, Sao Paulo. Cultivated by an agricultural cooperative. Fruits slender, red. Local name pimenta dedo de moca. Cultivated. Seed.
441569. 237. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1784. Collected October 1967. Guarulhos, Sao Paulo. Cultivated by an agricultural cooperative. Fruits slender, red. Local name dedo de moca. Cultivated. Seed.
441570. 238. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1785. Collected October 1967. Tremembe, Sao Paulo. Cultivated by an agricultural cooperative. Fruits slender, red. Local name dedo de moca. Cultivated. Seed.
441571. 239. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1786. Collected October 1967. Itaquaquecetuba, Sao Paulo. Fruits slender, red. Local name pimenta dedo de moca. Cultivated. Seed.
441572. 241. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1789. Collected October 1967. Cangussu, Rio Grande do Sul. Common. Local name vermelha comprida. Wild. Seed.

441516 TO 441597-continued

441573. 242. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1791. Collected October 1967. Carazinho, Rio Grande do Sul. Fruits red. Local name vermelha. Seed.
441574. 243. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1793. Collected October 1967. Carazinho, Rio Grande do Sul. Fruits red. Local name vermelha comum. Seed.
441575. 244. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1795. Collected October 20, 1967. Guacui, Espirito Santo. Fruits 1 x 4cm, red, very pungent. Local name pimenta. Wild. Seed.
441576. 246. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1806. Collected October 18, 1967. Cachoeira de Sta. Leopoldina, Espirito Santo. Plants large. Fruits elongated, red, mild. Local name dedo de noca. Wild. Seed.
441577. 247. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1810. Collected October 17, 1967. Colatina, Espirito Santo. Fruits round, flattened, 2 x 3cm, red. Local name pimenta pitanga. Seed.
441578. 249. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1816. Collected October 17, 1967. Colatina, Espirito Santo. Fruits 1 x 4cm, red, mild. Local name pimenta. Seed.
441579. 254. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4169. Collected February 1968. Market, Curitiba, Parana. Fruits 1 x 5cm, red. Local name pimenta. Cultivated. Seed.
441580. 256. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4171. Collected February 1968. Vicoso, Minas Gerais. Fruits round, flattened, about 6cm long, red. Local name pimenta. Cultivated. Seed.
441581. 257. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4172. Collected February 1968. Juizde Fora, Minas Gerais. Fruits 1 x 4cm, red. Ornamental. Local name Chifre de Capeta. Cultivated. Seed.
441582. 258. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4173. Collected January 1968. Coronel Pecheco, Minas Gerais. Plants bushy. Flowers with yellow blotch. Fruits 3 x 8cm, red. Local name pimenta. Wild. Seed.

441516 TO 441597-continued

441583. 259. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4175. Collected February 1968. Vicosa, Minas Gerais. Fruits round, 2cm diam., red. Local name pimenta. Wild. Seed.
441584. 260. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4176. Collected February 1968. Piracicaba, Sao Paulo. Obtained from Genetics Institute. Fruits round, 3cm. Local name pimenta. Seed.
441585. 263. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4181. Collected February 1968. Piracicaba, Sao Paulo. Obtained from Genetics Institute. Local name pimenta. Seed.
441586. 264. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4183. Collected February 1968. Piracicaba, Sao Paulo. Obtained from Genetics Institute. Local name pimenta. Seed.
441587. 265. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4185. Collected February 1968. Piracicaba, Sao Paulo. Obtained from Genetics Institute. Fruits 2 x 4cm, red. Local name pimenta. Seed.
441588. 273. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4204. Collected February 1968. Belem, Para. Fruits elongated, yellow. Said to be from Peru. Local name pimenta. Seed.
441589. 278. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4215. Market, Juiz de Fora, Minas Gerais. Fruits 2 x 8cm, red. Local name chifre de cabuto. Cultivated. Seed.
441590. 280. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4282. Collected April 10, 1968. Rondonopolis, Mato Grosso. Fruits cone-shaped, 2 x 2cm, red. Local name pimenta. Wild. Seed.
441591. 285. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4298. Collected March 29, 1968. Tombos de Carangola, Mato Grosso. Fruits round, flattened, red. Local name pitanga. Seed.
441592. 287. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4301. Collected 1968. Inhumas, Goias. Local name dedo de moca. Seed.
441593. 288. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4302. Collected May 15, 1968. Inhumas, Goias. Fruits flattened, 3.5 x 6cm, fasciated, red. Local

441516 TO 441597-continued

name pimenta. Seed.

441594. 290. Brazil. Vicosá, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4319. Collected June 1968. Sao Paulo, Sao Paulo. Fruits small, elongated, red. Local name pimenta dedo de moça. Seed.
441595. 291. Brazil. Vicosá, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4320. Collected July 30, 1968. Vicosá, Minas Gerais. Fruits long, 3 x 15cm, red. Local name pimenta. Seed.
441596. 292. Brazil. Vicosá, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4321. Collected July 16, 1968. Fio Novo, Minas Gerais. Fruits small, elongated, red. Local name pimenta. Seed.
441597. 295. Brazil. Vicosá, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4365. Collected September 05, 1968. Capinópolis, Minas Gerais. Fruits round, flattened, 4cm. Local name pimenta pitanga. Seed.

441598 TO 441641. *Capsicum chinense* Jacq. (Solanaceae) Aji.

From Brazil. Collected by H.T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

441598. 104. Banco de Germplasma de Hortalicas. BGH 77. Collected September 22, 1966. Market, Feira de Santana, Bahia. Mixture of small red, and larger orange fruits. Local name pimenta de cheiro. Cultivated. Seed.
441599. 105. Banco de Germplasma de Hortalicas. BGH 79. Collected September 22, 1966. Market, Feira de Santana, Bahia. Fruits 2 x 1 cm, orange, very strong. Local name pimenta de cheiro. Cultivated. Seed.
441600. 108. Banco de Germplasma de Hortalicas. BGH 92. Collected September 22, 1966. Chacara Santa Luzia, 4km from Feira de Santana, Bahia. Plants bushy. Stems dark purple. Fruits elongated, black. Local name pimenta preta. Cultivated. Seed.
441601. 111. Banco de Germplasma de Hortalicas. BGH 134. Collected September 24, 1966. Market, Aracaju, Sergipe. Fruits round, flattened, red. Local name pimenta pitanga. Cultivated. Seed.
441602. 112. Banco de Germplasma de Hortalicas. BGH 135. Collected September 24, 1966. Market, Aracaju, Sergipe. Fruits flattened, 2 x 2cm, orange. Local name pimenta

441598 TO 441641-continued

- pitanga. Cultivated. Seed.
441603. 113. Banco de Germplasma de Hortalicas. BGH 138.
Collected September 24, 1966. Aracaju, Sergipe. Fruits
somewhat elongated, yellow. Local name pimenta de cheiro.
Cultivated. Seed.
441604. 117. Collected September 26, 1966. Market, Maceio,
Alagoas. Fruits 1.5 x 4cm, yellow. Local name pimenta de
cheiro. Cultivated. Seed.
441605. 125. Banco de Germplasma de Hortalicas. BGH 221.
Collected October 01, 1966. Market, Alagoinha, Bahia.
Fruits 1.5 x 8cm, orange. Local name pimenta de cheiro.
Cultivated. Seed.
441606. 129. Banco de Germplasma de Hortalicas. BGH 316.
Goiania, Goias. Fruits small, pear-shaped, red. Local
name pimenta. Wild. Seed.
441607. 133. Banco de Germplasma de Hortalicas. BGH 350.
Collected November 22, 1966. Garden, Jussara, Goias.
Fruits small, round, red. Local name pimenta. Cultivated.
Seed.
441608. 137. Banco de Germplasma de Hortalicas. BGH 433.
Collected November 23, 1966. Farm, Goias, Goias. Fruits
small, 1 cm, round, yellow. Local name pimenta. Wild.
Seed.
441609. 138. Banco de Germplasma de Hortalicas. BGH 436.
Collected November 23, 1966. Farm, Goias, Goias. Fruits
small, round, red. Local name pimenta. Wild. Seed.
441610. 141. Banco de Germplasma de Hortalicas. BGH 514.
Collected November 25, 1966. Farm, Goiania, Goias. Fruits
purple when immature, small, round, red at maturity.
Local name pimenta. Wild. Seed.
441611. 145. Banco de Germplasma de Hortalicas. BGH 707.
Collected January 09, 1967. Curitiba, Mato Grosso. Fruits
small, 1 cm, round, yellow. Local name pimenta chumbinho.
Wild. Seed.
441612. 188. Brazil. Vicosa, Minas Gerais. Banco de Germplasma
de Hortalicas. BGH 1656. Collected June 1967. Fortaleza,
Ceara. Fruits round, 2cm, reddish. Local name pimenta de
cheiro. Seed.
441613. 204. Banco de Germplasma de Hortalicas. BGH 1688.
Collected 1967. Cuiaba, Mato Grosso. Local name poca.
Seed.

441598 TO 441641-continued

441614. 205. Banco de Germplasma de Hortalicas. EGH 1690.
Collected 1967. Passagem da Conceicao, Mato Grosso. Local
name regaca saia. Seed.
441615. 206. Banco de Germplasma de Hortalicas. EGH 1692.
Collected 1967. Cuiaba, Mato Grosso. Seed.
441616. 207. Banco de Germplasma de Hortalicas. EGH 1693.
Collected 1967. Cuiaba, Mato Grosso. Local name dedo de
moca. Seed.
441617. 208. Banco de Germplasma de Hortalicas. EGH 1694.
Collected 1967. Cuiaba, Mato Grosso. Seed.
441618. 210. Banco de Germplasma de Hortalicas. EGH 1714.
Collected 1967. Pindare, Miriue, Maranhao. Local name
murici. Seed.
441619. 211. Banco de Germplasma de Hortalicas. EGH 1717.
Collected 1967. Pindare, Miriue, Maranhao. Local name
cheirosa. Seed.
441620. 212. Banco de Germplasma de Hortalicas. EGH 1719.
Collected 1967. Moucao, Maranhao. Local name murici. Seed.
441621. 213. Banco de Germplasma de Hortalicas. EGH 1721.
Collected 1967. Santarem, Para. Local name ova de uruana.
Seed.
441622. 214. Banco de Germplasma de Hortalicas. EGH 1723.
Collected 1967. Santarem, Para. Local name murupi. Seed.
441623. 215. Banco de Germplasma de Hortalicas. EGH 1724.
Collected 1967. Santarem, Para. Local name cheirosa. Seed.
441624. 216. Banco de Germplasma de Hortalicas. EGH 1725.
Collected 1967. Santarem, Para. Local name porta da rua.
Seed.
441625. 219. Banco de Germplasma de Hortalicas. EGH 1729.
Collected 1967. Alto Turi, Maranhao. Local name dedo de
moca. Seed.
441626. 221. Banco de Germplasma de Hortalicas. EGH 1733.
Collected 1967. Alto Turi, Maranhao. Local name de niesa.
Seed.
441627. 229. Banco de Germplasma de Hortalicas. EGH 1768.
Collected 1967. Itabira, Minas Gerais. Local name olho de
pomba. Seed.
441628. 240. Brazil. Vicoso, Minas Gerais. Banco de Germplasma

441598 TO 441641-continued

- de Hortalicas. BGH 1787. Collected October 1967. Alagoas, Maceio. Local name pimenta de cheiro. Seed.
441629. 252. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1895. Collected November 04, 1967. Belem, Para. Fruits roundish, 3cm, yellow. Local name pimento de cheiro. Seed.
441630. 266. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4190. Collected February 1968. Careiros, Amazonas. Fruits rounded, 5cm, mild. Local name pimenta doce. Seed.
441631. 268. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4192. Collected February 1968. Careiros, Amazonas. Fruits mild. Local name pimenta doce. Seed.
441632. 269. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4193. Collected February 1968. Tefe, Amazonas. Fruits mild. Local name pimenta doce. Seed.
441633. 270. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4199. Collected February 1968. Belem, Para. Fruits tiny, red, slightly pungent. Local name pimenta de cheiro. Seed.
441634. 271. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4200. Collected February 1968. Belem, Para. Fruits elongated, cone-shaped, 3 x 8cm, red, slightly pungent. Local name pimenta de cheiro. Seed.
441635. 272. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4201. Collected February 1968. Belem, Para. Fruits large, red. Local name pimenta de cheiro. Seed.
441636. 274. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4206. Collected March 1968. Maraka, Para. Fruits cylindrical, 2 x 4cm. Local name pimenta de cheiro. Seed.
441637. 277. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4213. Collected February 1968. Tefe, Amazonas. Fruits round, 1.5cm, yellow. Local name pimenta. Seed.
441638. 279. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4224. Collected June 20, 1968. Inhumas, Goias. Fruits round, 1 cm, red. Local name pimenta. Wild. Seed.
441639. 281. Brazil. Vicoso, Minas Gerais. Banco de Germplasma

441598 TO 441641-continued

de Hortalicas. BGH 4283. Collected April 13, 1968.
Cuiaba, Mato Grosso. Local name pimenta poca. Seed.

441640. 282. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4285. Collected April 16, 1968. Rondonopolis, Mato Grosso. Fruits red. Local name pimenta poca. Seed.

441641. 283. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4286. Collected April 16, 1968. Rondonopolis, Mato Grosso. Fruits yellow. Local name pimenta olha de peixe. Seed.

441642 TO 441653. *Capsicum frutescens* L. (Solanaceae) Redpepper.

From Brazil. Collected by H.T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

441642. 102. Banco de Germplasma de Hortalicas. EGH 71. Collected September 22, 1966. Market, Feira de Santana, Bahia. Fruits small, round, very sharp flavor. Local name pimenta de cheiro. Cultivated. Seed.

441643. 109. Banco de Germplasma de Hortalicas. EGH 113. Collected September 23, 1966. Market, Salvadore, Bahia. Fruits small, elongated, red, very sharp flavor. Local name pimenta malaqueta. Cultivated. Seed.

441644. 135. Banco de Germplasma de Hortalicas. EGH 390. Collected November 22, 1966. Uva, Goias. Fruits small, elongated, 0.5 x 2cm, red. Local name pimenta malaqueta. Wild. Seed.

441645. 164. Brazil. Viosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1041. Collected March 29, 1967. Vicosa, Minas Gerais. Fruits small, 0.5 x 1.5cm, red. Local name pimenta malaqueta. Wild. Seed.

441646. 186. Brazil. Viosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1649. Collected June 1967. Vicosa, Minas Gerais. Fruits small, 0.5 x 2cm, red, very pungent. Local name malaqueta. Wild. Seed.

441647. 194. Brazil. Viosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1670. Collected July 1967. Campo Grande, Mato Grosso. Not indigenous. Fruits small, red, pungent. Local name malaqueta. Cultivated. Seed.

441648. 220. Banco de Germplasma de Hortalicas. EGH 1732. Collected 1967. Alto Turi, Maranhao. Local name malaqueta. Seed.

441642 TO 441653-continued

441649. 245. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1797. Collected October 20, 1967. Amarelo, Espirito Santo. Fruits tiny, 0.3 x 1 cm, red, very pungent. Wild. Seed.
441650. 248. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1812. Collected October 17, 1967. Colatina, Espirito Santo. Local name pimenta. Seed.
441651. 255. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4170. Collected November 24, 1967. Itabira, Minas Gerais. Local name beijo de moça. Seed.
441652. 261. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4179. Collected February 1968. Piracicaba, Sao Paulo. Obtained from the Genetics Institute. Local name pimenta. Seed.
441653. 275. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4209. Collected March 1968. Marabá, Para. Fruits small, very pungent. Local name malaqueta. Wild. Seed.

441654 TO 441656. *Capsicum praetermissum* Heiser & Smith (Solanaceae).

From Brazil. Collected by H.T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

441654. 139. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 460. Farn, Itaberai, Goias. Flowers purple. Fruits small, less than 1 cm, rounded, red. Local name pimenta cumari. Wild. Seed.
441655. 184. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1643. Collected July 05, 1967. Vicosa, Minas Gerais. Plants bushy, pubescent. Fruits few. Local name pimenta. Wild. Seed.
441656. 187. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1651. Collected June 1967. Vicosa, Minas Gerais. Plants bushy, pubescent. Fruits few. Local name pimenta. Wild. Seed.

441657 TO 441720. *Capsicum* sp. (Solanaceae).

From Brazil. Collected by H.T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

441657 TO 441720-continued

441657. 1. Collected July 18, 1978. Belem, Para. Common. Fruits small, 2.5cm long, yellow, pungent. Local name pimenta de cheiro. Cultivated. Seed.
441658. 2. Collected July 18, 1978. Market, Belem, Para. Fruits slender, 5cm long, red, pungent. Local name pimenta. Cultivated. Seed.
441659. 100. Banco de Germplasma de Hortalias. EGH 57. Collected September 21, 1966. Vitoria de Conquista, Bahia. Fruits small, round to oval, red. Local name pimenta passarinho. Wild. Seed.
441660. 110. Banco de Germplasma de Hortalias. EGH 119. Collected September 23, 1966. Market, Salvadore, Bahia. Fruits blocky, elongated, 4 x 8cm, red. Local name pimenta de horta. Cultivated. Seed.
441661. 114. Banco de Germplasma de Hortalias. EGH 154. Collected September 25, 1966. Market, Aracaju, Sergipe. Fruits elongated, bell-shaped, red. Local name pimentao. Cultivated. Seed.
441662. 115. Banco de Germplasma de Hortalias. EGH 164. Collected September 26, 1966. Market, Maceio, Alagoas. Fruits 8 x 2.5cm, dark red. Local name pimentao. Cultivated. Seed.
441663. 116. Banco de Germplasma de Hortalias. EGH 166. Collected September 26, 1966. Maceio, Alagoas. Fruits blocky, small, bell-shaped, dark yellow. Local name pimentao amarelo. Cultivated. Seed.
441664. 118. Banco de Germplasma de Hortalias. EGH 175. Collected September 27, 1966. Vitoria de S. Antao, Pernambuco. Obtained from State Experiment Station. Fruits 15 x 2cm, medium red. Local name pimenta. Cultivated. Seed.
441665. 119. Banco de Germplasma de Hortalias. EGH 176. Collected September 27, 1966. Vitoria de Santo Antao, Pernambuco. Obtained from State Experiment Station. Fruits 2 x 5cm, dark green when immature, red at maturity, abundant. Local name Santaka. Cultivated. Seed.
441666. 120. Banco de Germplasma de Hortalias. EGH 177. Collected September 27, 1966. Vitoria de Santo Antao, Pernambuco. Obtained from State Experiment Station. Fruits pointed, 3 x 10cm, yellow when immature, red at maturity. Local name pimenta de cheiro. Cultivated. Seed.
441667. 121. Banco de Germplasma de Hortalias. EGH 178.

441657 TO 441720-continued

- Collected September 27, 1966. Vitoria de Santo Antao, Pernambuco. Obtained from State Experiment Station. Plant small. Fruits 3 x 6cm, red. Local name pimenta 'green jolopeno'. Cultivated. Seed.
441668. 122. Banco de Germplasma de Hortalias. BGH 179. Collected September 22, 1966. Vitoria de Santo Antao, Pernambuco. Plant large, very early fruit producer. Fruits 2 x 15cm. Local name pimenta. Cultivated. Seed.
441669. 123. Banco de Germplasma de Hortalias. BGH 180. Collected September 27, 1966. Vitoria de Santo Antao, Pernambuco. Obtained from State Experiment Station. Fruits 3 x 16cm. Local name pimenta. Cultivated. Seed.
441670. 126. Banco de Germplasma de Hortalias. BGH 298. Collected October 29, 1966, Km 47, Rio de Janeiro. Fruits wedge-shaped, 6cm, at base, x 12cm. Local name pimentao avelar. Cultivated. Seed.
441671. 127. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 303. Vitoria de Santo Antao, Pernambuco. Obtained from State Experiment Station. Fruits wedge-shaped, 6 x 13cm. Local name pimenta paprika. Cultivated. Seed.
441672. 150. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 956. Collected December 1966. Campinas, Sao Paulo. Obtained from Research Institute. Fruits large, yellow. Local name pimentao amarelo. Cultivated. Seed.
441673. 151. Casca Grossa. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 957. Collected December 1966. Campinas, Sao Paulo. Obtained from Research Institute. Fruits large, thick-walled. Cultivated. Seed.
441674. 152. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 959. Collected December 1966. Campinas, Sao Paulo. Obtained from Research Institute. Local name pimentao. Cultivated. Seed.
441675. 153. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1007. Collected February 16, 1967. Market, Timbo, Sta. Catarina. Fruits cone-shaped, 3cm long. Local name pimenta. Cultivated. Seed.
441676. 154. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalias. BGH 1010. Collected February 16, 1967. Market, Timbo, Sta. Catarina. Fruits bell-shaped. Local name pimentao. Cultivated. Seed.
441677. 162. Brazil. Vicosa, Minas Gerais. Banco de Germplasma

441657 TO 441720-continued

- de Hortalicas. BGH 1039. Collected December 1966. Rio de Janeiro, Guanabara State. Ornamental. Fruits 3cm, yellow. Cultivated. Seed.
441678. 163. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1040. Collected April 06, 1967. Vicosa, Minas Gerais. Originally from Mato Grosso. Ornamental. Fruits cone-shaped, 4cm, red. Cultivated. Seed.
441679. 165. Banco de Germplasma de Hortalicas. BGH 1253. Collected 1967. Goiania, Goias. Local name pimento malequeta. Wild. Seed.
441680. 166. Banco de Germplasma de Hortalicas. EGH 1256. Collected 1967. Ipameri, Goias. Local name roxa. Seed.
441681. 167. Banco de Germplasma de Hortalicas. EGH 1258. Collected 1967. Morretes, Parana. Local name olho de caranguejo. Seed.
441682. 168. Banco de Germplasma de Hortalicas. EGH 1267. Collected 1967. Alto Paraguai, Mato Grosso. Local name dedo de moça. Seed.
441683. 169. Banco de Germplasma de Hortalicas. BGH 1271. Collected 1967. Belo Horizonte, Minas Gerais. Ornamental. Cultivated. Seed.
441684. 170. Banco de Germplasma de Hortalicas. EGH 1273. Collected 1967. Raul Soares, Minas Gerais. Local name Bode. Seed.
441685. 171. Banco de Germplasma de Hortalicas. BGH 1274. Collected 1967. Raul Soares, Minas Gerais. Seed.
441686. 172. Banco de Germplasma de Hortalicas. BGH 1278. Collected 1967. Morretes, Parana. Seed.
441687. 173. Banco de Germplasma de Hortalicas. BGH 1279. Collected 1967. Morretes, Parana. Seed.
441688. 178. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1609. Collected April 27, 1967. Osorio, Rio Grande do Sul. Fruits 1.5cm, orange. Local name pimenta cumbari. Wild. Seed.
441689. 190. Coracao de Galinha. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1663. Collected June 1967. Campo Grande, Mato Grosso. Introduced by a Japanese colony. Fruits 1.2 x 2cm, red. Cultivated. Seed.
441690. 191. Brazil. Vicosa, Minas Gerais. Banco de Germplasma

441657 TO 441720-continued

- de Hortalicas. BGH 1664. Collected June 1967. Forteleza, Ceara. Fruits 0.5 x 1.7cm, red. Local name pimenta malaqueta. Wild. Seed.
441691. 192. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1666. Collected June 1967. Market, Campo Grande, Mato Grosso. Fruits small, 0.5 x 1.6cm, red. Local name pimenta malaqueta. Cultivated. Seed.
441692. 195. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1676. Collected July 1967. Campo Grande, Mato Grosso. Indigenous. Fruits small, red. Local name pimenta macaco. Wild. Seed.
441693. 196. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1672. Collected July 1967. Campo Grande, Mato Grosso. Indigenous. Fruits 1.7 x 0.8cm, red. Local name pimenta. Wild. Seed.
441694. 203. Banco de Germplasma de Hortalicas. BGH 1687. Collected 1967. Vicosa, Minas Gerais. Seed.
441695. 217. Banco de Germplasma de Hortalicas. BGH 1727. Collected 1967. Alto Turi, Maranhao. Local name fofo. Seed.
441696. 218. Banco de Germplasma de Hortalicas. EGH 1728. Collected 1967. Alto Turi, Maranhao. Local name chifre de carneiro. Seed.
441697. 222. Banco de Germplasma de Hortalicas. EGH 1737. Collected 1967. Belo Horizonte, Minas Gerais. Seed.
441698. 224. Banco de Germplasma de Hortalicas. BGH 1747. Collected 1967. Ituiutaba, Minas Gerais. Local name boiana. Seed.
441699. 226. Banco de Germplasma de Hortalicas. EGH 1761. Collected 1967. Research Institute, Sete Lagoas, Minas Gerais. Local name silvestre. Wild. Seed.
441700. 227. Banco de Germplasma de Hortalicas. BGH 1762. Collected 1967. Research Institute, Sete Lagoas, Minas Gerais. Local name paprika. Seed.
441701. 231. Bull nose. Banco de Germplasma de Hortalicas. EGH 1772. Collected 1967. Carazinho, Rio Grande do Sul. Obtained from a seed import company. Seed.
441702. 232. Brazil. Vicosa, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1778. Collected August 1967. Belc Horizonte, Minas Gerais. Fruits 1.4 x 6cm, orange. Local name pimenta dedo de moça. Seed.

441657 TO 441720-continued

441703. 250. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1818. Collected October 16, 1967. Baixa Guandu, Espirito Santo. Fruits round, slightly flattened, 5-6cm, red. Local name pimenta. Cultivated. Seed.
441704. 251. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 1820. Collected October 15, 1967. Aimores, Espirito Santo. Fruits tiny, red, pungent. Local name malaqueta. Wild. Seed.
441705. 253. Ikeda. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4105. Collected December 01, 1967. Sao Paulo, Sao Paulo. Cultivated. Seed.
441706. 262. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4180. Collected February 1968. Piracicaba, Sao Paulo. Obtained from Genetics Institute. Fruits 1.5 x 8cm, red. Local name pimenta. Seed.
441707. 267. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4191. Collected February 1968. Tefe, Amazonas. Fruits 2.5 x 5cm. Local name pimenta. Seed.
441708. 276. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4211. Collected March 1968. Maraba, Para. Fruits purplish. Local name pimenta de cheiro. Seed.
441709. 284. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4287. Collected April 16, 1968. Rondonopolis, Mato Grosso. Local name pimenta de mesa. Seed.
441710. 286. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4300. Collected May 03, 1968. Vicoso, Minas Gerais. Fruits small, red. Local name pimenta. Wild. Seed.
441711. 289. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4303. Collected May 21, 1968. Iguape, Sao Paulo. Local name pimenta. Seed.
441712. 293. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4354. Collected August 17, 1968. Tocantinopolis, Goias. Local name pimenta. Seed.
441713. 294. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4356. Collected August 19, 1968. Pedra Afonso, Goias. Fruits very long, slender, 1 x 20cm. Local name pimenta dedo de moça. Seed.
441714. 526. Collected August 12, 1978. Market, Altamira, Para.

441657 TO 441720-continued

Plants shrubby, to 0.9m tall. Flowers greenish. Anthers purple. Fruits turban-shaped, 4 x 4cm, mildly pungent. Local name pimentao. Cultivated. Seed.

441715. 532. Collected August 13, 1978. Market, Altamira, Para. Fruits small, cone-shaped, red, pungent. Local name pimenta. Cultivated. Seed.

441716. 533. Collected August 13, 1978. Market, Altamira, Para. Fruits cone-shaped, red, pungent. Local name pimenta. Cultivated. Seed.

441717. 534. Collected August 13, 1978. Market, Altamira, Para. Fruits small, round, red, pungent. Local name pimenta. Cultivated. Seed.

441718. 535. Collected August 13, 1978. Market, Altamira, Para. Fruits resemble miniature 2.5cm bell peppers, 3 or 4 segments, red, pungent. Local name pimenta. Cultivated. Seed.

441719. 536. Collected August 13, 1978. Market, Altamira, Para. Fruits cone-shaped, 3.7cm long, orange, pungent. Local name pimenta. Cultivated. Seed.

441720. 541. Collected August 15, 1978. Market, Altamira, Para. Fruits oval, 5 x 3cm, waxy, pale peach-color. Local name pimenta. Cultivated. Seed.

441721. *Cassia* sp. (Fabaceae).

From Brazil. Collected by H. T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

63. Collected August 03, 1978. Campo Bele, Goias, north of Brasilia. Flowers yellow. Pods long, thin. Seeds small, olive-color. Ornamental. Roots said to have medicinal value. Perennial herb. Cultivated. Seed.

441722. *Citrullus lanatus* (Thunb.) Matsum. & Nakai (Cucurbitaceae)
Watermelon.

From Brazil. Collected by H. T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

553. Collected August 18, 1978. Market, Brasilia. Fruits striped. Seeds white. Local name Melancia. Cultivated. Seed.

441723 TO 441726. *Cucurbita* sp. (Cucurbitaceae).

From Brazil. Collected by H. T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

441723. 3. Collected July 18, 1978. Market, Belem, Para. Fruits oval. Rind greenish. Cultivated. Seed.
441724. 13. Collected July 19, 1978. Market, Belem, Para. Fruits oval. Rind buff-color. Local name Abobora. Cultivated. Seed.
441725. 525. Collected August 12, 1978. Market, Altamira, Para. Fruits elongated. Rind cream-color. Flesh bright orange. Local name Abobora. Cultivated. Seed.
441726. 539. Collected August 15, 1978. Garden, Altamira, Para. Fruits flattened-globose. Rind tan and green. Flesh dark orange. Local name Abobora. Cultivated. Seed.

441727. *Hibiscus sabdariffa* L. (Malvaceae) Roselle.

From Brazil. Collected by H. T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

44. Collected July 31, 1978. Garden, Vicoso, Minas Gerais. Plant 2.1m tall. Stems branched, red. Flowers yellow, red blotches. Capsules 2.5 to 3.7cm long. Local name Roselle. Cultivated. Seed.

441728. *Hibiscus* sp. (Malvaceae).

From Brazil. Collected by H. T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

542. Collected August 15, 1978. Cutover forest, Altamira, Para. Plants low, open, to 2.44m tall. Flowers small, 2.5 to 3.7cm, bright rose pink. Ornamental potential. Perennial woody. Wild. Seed.

441729. *Lactuca sativa* L. (Asteraceae) Lettuce.

From Brazil. Collected by H. T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

498. Aurelia. Collected July 28, 1978. Vicoso, Minas Gerais. Cultivated. Seed.

441730 TO 441742. *Lycopersicon esculentum* Mill. (Solanaceae) Tomato.

From Brazil. Collected by H. T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

441730. 31. Banco de Germplasma de Hortalias. BGH 4376. Collected 1978. Dourados, Mato Grosso. Fruits small. Wild. Seed.
441731. 32. Banco de Germplasma de Hortalias. BGH 4377. Collected 1978. Dourados, Mato Grosso. Fruits small. Wild. Seed.
441732. 33. Banco de Germplasma de Hortalias. BGH 4378. Collected 1978. Dourados, Mato Grosso. Fruits small. Wild. Seed.
441733. 34. Banco de Germplasma de Hortalias. BGH 4535. Collected 1978. Igrape, Minas Gerais. Widely cultivated. Fruits large. Cultivated. Seed.
441734. 35. Mineiras. Banco de Germplasma de Hortalias. BGH 4671. Collected 1978. Santa Tereza, Espirito Santo. Fruits abundant. Cultivated. Seed.
441735. 36. Banco de Germplasma de Hortalias. BGH 4675. Collected 1978. S. Leopoldo, Espirito Santo. Plants indeterminant. Fruits large. Local name Pera gigante. Cultivated. Seed.
441736. 37. Banco de Germplasma de Hortalias. BGH 4678. Collected 1978. S. Leopoldo, Espirito Santo. Cultivated. Seed.
441737. 38. Banco de Germplasma de Hortalias. BGH 4679. Collected 1978. S. Leopoldo, Espirito Santo. Cultivated. Seed.
441738. 39. Pera. Banco de Germplasma de Hortalias. BGH 4680. Collected 1978. S. Leopoldo, Espirito Santo. Cultivated. Seed.
441739. 40. Banco de Germplasma de Hortalias. BGH 4690. Collected 1978. Joari, Amazonas. Fruits very small. Cultivated. Seed.
441740. 41. Banco de Germplasma de Hortalias. BGH 5042. Collected 1978. Altamira, Amazonas. Cultivated. Seed.
441741. 42. Banco de Germplasma de Hortalias. BGH 5043. Collected 1978. Teofilo Otoni, Minas Gerais. Cultivated. Seed.

441730 TO 441742-continued

441742. 43. Banco de Germplasma de Hortaliças. BGH 4688.
Collected 1978. Urucara, Amazonas. Common in area.
Cultivated. Seed.

441743. *Merremia* sp. (Convolvulaceae).

From Brazil. Collected by H. T. Erickson, Department of
Horticulture, Purdue University, West Lafayette, Indiana.
Received October 1978.

528. Collected August 12, 1978. Altamira, Para. Plants
climbing, trailing. Sepals and ovaries persistent on dry
fruits. Flowers yellow. Fruits 6.5cm diam, chestnut brown.
Wild. Seed.

441744. *Mucuna* sp. (Fabaceae).

From Brazil. Collected by H. T. Erickson, Department of
Horticulture, Purdue University, West Lafayette, Indiana.
Received October 1978.

80. Collected August 05, 1978. Farm, Campos Belos,
Goias. Flowers purple. Pods very pubescent, about size of
soybean pods. Seeds shiny, steel gray, black blotches.
Pod hairs said to painfully penetrate skin. Seeds used
for rheumatism treatment. Local name Taiua. Wild. Seed.

441745. *Nicotiana* sp. (Solanaceae).

From Brazil. Collected by H. T. Erickson, Department of
Horticulture, Purdue University, West Lafayette, Indiana.
Received October 1978.

511. Collected August 06, 1978. Farm, Barreiras, Bahia.
Cultivated. Seed.

441746 TO 441825. *Phaseolus lunatus* L. (Fabaceae) Lima bean.

From Brazil. Collected by H. T. Erickson, Department of
Horticulture, Purdue University, West Lafayette, Indiana.
Received October 1978.

441746. 11. Collected July 19, 1978. Market, Eelem, Para. Seeds
large, white. Eaten dry. Local name fava branco.
Cultivated. Seed.

441747. 18. Collected July 22, 1978. Market, Mossoro, Rio
Grande de Norte. Widely cultivated. Seeds medium-sized,

441746 TO 441825-continued

- tan to brown. Local name fava. Cultivated. Seed.
441748. 19. Collected July 20, 1978. Forteleza, Ceara. Seeds large, tan to brown. Appears vulnerable to insect damage. Local name fava. Cultivated. Seed.
441749. 20. Collected July 20, 1978. Market, Forteleza, Ceara. Seeds large, buff-colored to brown. Local name fava. Cultivated. Seed.
441750. 21. Collected July 20, 1978. Market, Forteleza, Ceara. Mixed sample, as sold. Seeds large, white to brown, mottled. Cultivated. Seed.
441751. 24. Collected 1978. Urucara, Amazonas. Seeds small, round, white. Local name fava ama branca. Cultivated. Seed.
441752. 25. Banco de Germplasma de Hortalicas. EGH 4529. Collected 1978. Uba, Minas Gerais. Seeds medium-sized, mahogany-color, faint light speckles. Cultivated. Seed.
441753. 26. Banco de Germplasma de Hortalicas. EGH 4883. Collected 1978. Terezopolis, Rio de Janeiro. Seeds medium-sized, flattened, reddish with black flecks. Local name fava. Cultivated. Seed.
441754. 28. Banco de Germplasma de Hortalicas. EGH 4882. Collected 1978. Santa Tereza, Espirito Santo. Seeds small, tan with mahogany markings. Local name fava doida de capoeira. Cultivated. Seed.
441755. 29. Banco de Germplasma de Hortalicas. EGH 4880. Collected 1978. Minas Gerais. Seeds small, round, red. Local name fava. Cultivated. Seed.
441756. 30. Banco de Germplasma de Hortalicas. EGH 4881. Collected 1978. Mutum, Espirito Santo. Seeds small, round, tan with darker markings. Local name fava. Cultivated. Seed.
441757. 51. Collected August 02, 1978. Market, Brasilia. Seeds medium-sized, brown, mottled grayish-brown. Local name fava. Cultivated. Seed.
441758. 52. Collected August 03, 1978. Garden in Fyenda Grande, Sao Gabriel, Goias, north of Brasilia. Seeds round, purple. Local name fava. Cultivated. Seed.
441759. 53. Collected August 03, 1978. Municipio Roncador, Goias, north of Brasilia. Seeds round, purple. Local name fava. Cultivated. Seed.

441746 TO 441825-continued

441760. 54. Collected August 03, 1978. Gardens in village north of Brasilia, Alto Paraiso, Goias. Seeds medium-sized, elongate or oval, white. Local name fava. Cultivated. Seed.
441761. 55. Collected August 03, 1978. Upper Tocantins drainage basin, Alto Paraiso, Goias. Seeds medium-sized, rounded, white. Local name fava. Cultivated. Seed.
441762. 56. Collected August 03, 1978. Garden, Alto Paraiso, Goias. Seeds small, round to angular, buff-colored with maroon markings, Local name fava. Cultivated. Seed.
441763. 57. Collected August 03, 1978. Fozenda Roncador, Brasilinha, Goias. Seeds large, elongated, tan. Local name fava manteigo. Cultivated. Seed.
441764. 58. Collected August 03, 1978. Fozenda Roncador, Brasilinha, Goias. Seeds small, pale buff-color with maroon spots. Cultivated. Seed.
441765. 65. Collected August 04, 1978. Cavalcante, Goias, north of Brasilia. Widely cultivated. Seeds small, rounded, purple. Local name fava. Cultivated. Seed.
441766. 66. Collected August 04, 1978. Isolated homestead near Rio Parana, Cavalcante, Goias. Seeds small, blocky, white. local name fava. Cultivated. Seed.
441767. 67. Collected August 05, 1978. Garden, Campos Belos, Goias. Seeds large, oval, thick, white. Local name fava branco. Cultivated. Seed.
441768. 68. Collected August 05, 1978. Edge of village, Campos Belos, Goias. Seeds elongated, white. Local name fava. Cultivated. Seed.
441769. 69. Collected August 05, 1978. Garden, Campos Belos, Goias. Seeds small, round, buff-colored. Local name fava. Cultivated. Seed.
441770. 70. Collected August 05, 1978. Garden, Campos Belos, Goias. Seeds small, round, buff-colored. Local name fava. Cultivated. Seed.
441771. 71. Collected August 05, 1978. Rural house, Campos Belos, Goias. Seeds small, round, brown, a few white. Local name fava. Cultivated. Seed.
441772. 72. Collected August 05, 1978. Garden, Campos Belos, Goias. Seeds small, round, brown. Local name fava. Cultivated. Seed.

441746 TO 441825-continued

441773. 73. Collected August 05, 1978. Rural home, Campos Belos, Goias. Seeds large, elongated, white, a few colored. Local name fava. Cultivated. Seed.
441774. 74. Collected August 05, 1978. Rural home, Campos Belos, Goias. Sample highly mixed. Seeds from small, round, tan, to large, white or colored. Local name fava. Cultivated. Seed.
441775. 75. Collected August 05, 1978. Rural home, Campos Belos, Goias. Sample mixed. Seeds small to medium, buff color with maroon or black markings. Local name fava. Cultivated. Seed.
441776. 76. Collected August 05, 1978. Campos Belos, Goias. Seeds small, truncated, capsule-shaped, white. Local name fava. Cultivated. Seed.
441777. 77. Collected August 05, 1978. Farm garden, Campos Belos, Goias. Sample mixed. Seeds small, round or medium-large, long, buff-colored. Local name fava. Cultivated. Seed.
441778. 78. Collected August 05, 1978. Farm garden, Campos Belos, Goias. Seeds medium-large, long, buff-color. Local name fava manteiga. Cultivated. Seed.
441779. 79. Collected August 05, 1978. Farm, Campos Belos, Goias. Seeds small, elongated, white. Local name fava. Cultivated. Seed.
441780. 81. Collected August 05, 1978. Small farm, Arraias, Goias. Seeds large, elongated, white. Local name fava branca. Cultivated. Seed.
441781. 82. Collected August 05, 1978. Rural home, Arraias, Goias. Seeds small, rounded, white. Local name fava. Cultivated. Seed.
441782. 83. Collected August 05, 1978. Arraias, Goias. Seeds large, tan-colored. Popular in area. Local name fava manteiga. Cultivated. Seed.
441783. 84. Collected August 05, 1978. Farm house, Arraias, Goias. Seeds medium-sized, white. Local name fava branca. Cultivated. Seed.
441784. 85. Collected August 05, 1978. Farm garden, Arraias, Goias. Seeds medium-sized, elongated, thick, white. Local name fava branca. Cultivated. Seed.
441785. 86. Collected August 05, 1978. Farm garden, Arraias,

441746 TO 441825-continued

- Goias. Seeds of variable size and shape, elongated, white. Local name fava branca. Cultivated. Seed.
441786. 87. Collected August 05, 1978. Farm garden, Arraias, Goias. Seeds large, buff-colored, some with prominent veins. Local name fava manteiga. Cultivated. Seed.
441787. 88. Collected August 05, 1978. Settlement colony, Arraias, Goias. Popular flavorable food. Seeds round, tan. Local name fava. Cultivated. Seed.
441788. 89. Collected August 05, 1978. Settlement colony, Arraias, Goias. Seeds small, elongated, capsule-shaped, white. Local name fava. Cultivated. Seed.
441789. 90. Collected August 05, 1978. Settlement colony, Arraias, Goias. Seeds small, round, tan with purple markings. Local name fava. Cultivated. Seed.
441790. 91. Collected August 05, 1978. Farm house, Campos Belos, Goias. Sample mixed from single planting. Seeds mostly small, round. Local name fava. Cultivated. Seed.
441791. 92. Collected August 05, 1978. Farm house, Aurora, Goias. Sample mixed. Seeds medium-small, mostly tan with black or purple markings, a few white. Cultivated. Seed.
441792. 93. Collected August 05, 1979. Farm, Aurora, Goias. Seeds medium-small, rounded, buff-colored. Local name fava. Cultivated. Seed.
441793. 94. Collected August 05, 1979. Farm garden, Aurora, Goias. Seeds medium-sized, black with faint white specks. Local name fava. Cultivated. Seed.
441794. 95. Collected August 05, 1979. Farm house near Rio Sobrado, Aurora, Goias. Sample highly variable in size, shape and color. Local name fava. Cultivated. Seed.
441795. 96. Collected August 05, 1979. Aurora, Goias. Seeds medium-sized, elongated or oval, buff-color. Local name fava manteiga. Cultivated. Seed.
441796. 97. Collected August 05, 1979. Primitive settlement on banks of Rio Sobrado, Taguatinga, Goias. Sample mixed. Seeds extremely variable in size, shape and color. Local name fava. Cultivated. Seed.
441797. 98. Collected August 05, 1979. Farm Garden, Taguatinga, Goias. Seeds medium-sized, oval, mostly buff-colored or white. Local name fava. Cultivated. Seed.
441798. 500. Collected August 06, 1978. Rural property,

441746 TO 441825-continued

- Barreiras, Bahia. Seeds medium-small, elongated, flattened ends from tight pod placement, white. Local name fava. Cultivated. Seed.
441799. 501. Collected August 06, 1978. Rural property, Barreiras, Bahia. Seeds medium to medium-small, off-white with black blotches and flecks. Local name fava. Cultivated. Seed.
441800. 502. Collected August 06, 1978. Rural garden, Barreiras, Bahia. Sample mixed. Seeds vary in size and color. Local name fava. Cultivated. Seed.
441801. 503. Collected August 06, 1978. Farm house, Barreiras, Bahia. Sample mixed. Seeds mostly medium-size, blue-gray color. Local name fava. Cultivated. Seed.
441802. 504. Collected August 06, 1978. Farm garden, Barreiras, Bahia. Sample mixed. Seeds small, round, bright brown, some blue-gray, not bitter. Local name fava. Cultivated. Seed.
441803. 505. Collected August 06, 1978. Farm garden, Barreiras, Bahia. Seeds round, maroon. Widely used. Local name fava. Cultivated. Seed.
441804. 506. Collected August 06, 1978. Farm garden, Barreiras, Bahia. Seeds small, cylindrical, black and white. Local name fava. Cultivated. Seed.
441805. 507. Collected August 06, 1978. Farm, Barreiras, Bahia. Seeds cylindrical, black and white. Local name fava. Cultivated. Seed.
441806. 508. Collected August 06, 1978. Rural home, Barreiras, Bahia. Seeds large, round, flat, white, a few with black flecks, some tan. Local name fava. Cultivated. Seed.
441807. 509. Collected August 06, 1978. Garden, 20km west of Barreiras, Bahia. Sample mixed, mostly types common to area. Local name fava. Cultivated. Seed.
441808. 510. Collected August 06, 1978. Farm house, km 117, Barreiras, Bahia, on road to Brasilia. Seeds small, round, tan with markings. Local name fava. Cultivated. Seed.
441809. 512. Collected August 06, 1978. Market, Posse, Goias. Seeds small, round, brownish to purple, spotted. Local name feijoa chumbinho. Cultivated. Seed.
441810. 513. Collected August 06, 1978. Market, Posse, Goias. Seeds medium-sized, mostly black and white with black

441746 TO 441825-continued

- stripes. Local name feijoa guarani. Cultivated. Seed.
441811. 514. Collected August 06, 1978. Market, Posse, Goias. Most common type in market. Seeds medium-sized, elongate to oval, white. Local name feijoa. Cultivated. Seed.
441812. 515. Collected August 06, 1978. Local farm, Posse, Goias. Seeds of variable size and shape, mostly buff-color. Local name feijoa manteiga. Cultivated. Seed.
441813. 519. Collected August 07, 1978. Rural garden, Alvorado do Norte, Goias. Common type. Seeds small, round, shades of brown. Local name feijoa chumbinho. Cultivated. Seed.
441814. 520. Collected August 07, 1978. Rural garden, Alvorado do Norte, Goias. Seeds small, round, brown. Local name feijoa chumbinho. Cultivated. Seed.
441815. 521. Collected August 07, 1978. Farmhouse at Municipio Flores border, Alvorado do Norte, Goias. Seeds medium-small, oval, white. Local name feijoa. Cultivated. Seed.
441816. 529. Collected August 13, 1978. Remote settler's home, Altamira, Para. Seeds medium-large, somewhat elongated, dark reddish-brown. Local name fava. Cultivated. Seed.
441817. 530. Collected August 13, 1978. Remote settler's home, Altamira, Para. Seeds medium-large, oval, thick, white. Local name fava. Cultivated. Seed.
441818. 544. Collected August 16, 1978. Small farm, Planaltira, Distrito Federal. Seeds large, flattened, black with small white flecks. Local name fava. Cultivated. Seed.
441819. 545. Collected August 16, 1978. Small farm, Planaltira, Distrito Federal. Seeds large, oval, tan. Local name fava manteiga. Cultivated. Seed.
441820. 546. Collected August 18, 1978. Small farm, Corumba de Goias, Goias. Seeds large, oval, flat, white. Local name fava. Cultivated. Seed.
441821. 547. Collected August 18, 1978. Farm, Corumba de Goias, Goias. Seeds small, oval, white. Local name fava. Cultivated. Seed.
441822. 548. Collected August 18, 1978. Farm, Corumba de Goias, Goias. Seeds medium-sized, buff-color with black markings. Local name fava. Cultivated. Seed.
441823. 549. Collected August 18, 1978. Farm, Corumba de Goias, Goias. Seeds medium-small to medium-sized, dark red, somewhat variable. Local name fava. Cultivated. Seed.

441746 TO 441825-continued

441824. 550. Collected August 18, 1978. Large cattle ranch north of Corumba de Goias. Seeds small, red. Local name roxa. Cultivated. Seed.

441825. 551. Collected August 18, 1978. Headwater of Corumba river, Corumba de Goias, Goias. Seeds large, flat, buff-colored. Local name fava manteiga. Cultivated. Seed.

441826 TO 441835. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From Brazil. Collected by H. T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received October 1978.

441826. 4. Collected July 18, 1978. Market, Belem, Para. Seeds tan colored. Local name feijao. Cultivated. Seed.

441827. 5. Collected July 18, 1978. Market, Belem, Para. Seeds round, yellow-green. Local name feijao. Cultivated. Seed.

441828. 6. Collected July 18, 1978. Market, Belem, Para. Seeds gray-brown. Local name feijao. Cultivated. Seed.

441829. 9. Collected July 18, 1978. Market, Belem, Para. Seeds long, white. Local name feijao. Cultivated. Seed.

441830. 10. Collected July 19, 1978. Market, Belem, Para. Seeds small, black. Local name feijao. Cultivated. Seed.

441831. 17. Collected July 22, 1978. Mossoro, Rio Grande do Norte. Seeds small, buff-colored. Local name feijao. Cultivated. Seed.

441832. 22. Collected July 19, 1978. Market, Fortaleza, Ceara. Seeds tan-colored. Local name feijao. Cultivated. Seed.

441833. 45. Collected July 18, 1978. Market, Belem, Para. Seeds long, light brown. Local name feijao. Cultivated. Seed.

441834. 59. Collected August 03, 1978. Farm, Alta Paraiso, Goias. Seeds small, pale-buff color with maroon spots. Cultivated. Seed.

441835. 552. Collected August 18, 1978. Remote dwelling, Corumba de Goias, Goias. Seeds medium-sized, elongated, thick, white, some color variation. Received as *P. lunatus*. Local name fava. Cultivated. Seed.

441836 TO 441837. *Rubus* sp. (Rosaceae).

From Brazil. Collected by H. T. Erickson, Department of

441836 TO 441837-continued

Horticulture, Purdue University, West Lafayette, Indiana.
Received October 1978.

441836. 297. Collected July 30, 1978. Forest edge, Vicosa, Minas Gerais. Plants with vigorous long, arching canes, many thorns. Flowers white. Fruits resemble small blackberries. Wild. Seed.

441837. 298. Collected July 30, 1978. Forest edge, Vicosa, Minas Gerais. Plants trailing, thorny, abundant. Flowers white. Fruits very large, red, many small segments, flavorful, possible a tropical raspberry. Wild. Seed.

441838 TO 441912. *Solanum gilo* Raddi (Solanaceae) Gilo.

From Brazil. Collected by H. T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana.
Received October 1978.

441838. 420. Banco Germplasma de Hortalicas. BGH 19. Collected September 1966. Sao Miguel do Anta, Minas Gerais. Local name jilo de capote. Cultivated. Seed.

441839. 421. Banco Germplasma de Hortalicas. BGH 20. Collected September 1966. Igarape, Minas Gerais. Fruits ovoid, 5 x 8cm, light green when immature. Local name jilo verde clore. Cultivated. Seed.

441840. 422. Banco de Germplasma de Hortalicas. BGH 21. Collected September 13, 1966. Belo Horizonte, Minas Gerais. Fruits pear-shaped, light green when immature. Local name jilo. Cultivated. Seed.

441841. 423. Banco de Germplasma de Hortalicas. BGH 45. Collected September 21, 1966. Vitoria da Conquista, Bahia. Fruits oval, dark green when immature, red when ripe. Local name jilo. Cultivated. Seed.

441842. 424. Banco de Germplasma de Hortalicas. BGH 50. Collected September 21, 1966. Vitoria da Conquista, Bahia. Fruits small, round, dark green when immature. Local name jilo. Cultivated. Seed.

441843. 425. Banco de Germplasma de Hortalicas. BGH 56. Collected September 21, 1966. Vitoria da Conquista, Bahia. Fruits large, elongated, light green when immature. Local name jilo. Cultivated. Seed.

441844. 426. Banco de Germplasma de Hortalicas. BGH 73. Collected September 22, 1966. Feira da Santana, Bahia. Fruits 5 x 6cm, dark green when immature. Local name jilo. Cultivated. Seed.

441838 TO 441912-continued

441845. 427. Banco de Germplasma de Hortalicas. BGH 223. Collected October 01, 1966. Market, Alagoinha, Bahia. Fruits large, round, dark green when immature. Local name jilo. Cultivated. Seed.
441846. 428. Banco de Germplasma de Hortalicas. BGH 302. Collected September 16, 1966. Sao Miguel do Anta, Minas Gerais. Fruits round, flattened. Local name jilo de capote. Cultivated. Seed.
441847. 429. Banco de Germplasma de Hortalicas. BGH 319. Collected November 21, 1966. Goiana, Goias. Fruits elongated, 4 x 9cm, light green when immature. Local name jilo. Cultivated. Seed.
441848. 430. Banco de Germplasma de Hortalicas. EGH 329. Collected November 21, 1966. Estiva, Goias. Fruits small, dark green when immature. Local name jilo. Cultivated. Seed.
441849. 431. Banco de Germplasma de Hortalicas. BGH 340. Collected November 21, 1966. Goiania, Goias. Fruits elongated, 4 x 9cm, light green when immature. Local name jilo. Cultivated. Seed.
441850. 432. Banco de Germplasma de Hortalicas. BGH 387. Collected November 22, 1966. Itapiraguan, Goias. Fruits ovoid, 6cm long. Local name jilo. Cultivated. Seed.
441851. 433. Banco Germplasma de Hortalicas. BGH 404. Collected November 23, 1966. Goias, Goias. Fruits small, round, 3cm long. Local name jilo. Cultivated. Seed.
441852. 434. Banco de Germplasma de Hortalicas. BGH 407. Collected November 23, 1966. Goias, Goias. Fruits small, round. Local name jilo. Cultivated. Seed.
441853. 435. Banco de Germplasma de Hortalicas. BGH 418. Collected November 23, 1966. Goias, Goias. Fruits small to medium-sized, round. Local name jilo. Cultivated. Seed.
441854. 436. Banco de Germplasma de Hortalicas. BGH 440. Collected November 23, 1966. Goias, Goias. Fruits medium-sized, long. Local name jilo. Cultivated. Seed.
441855. 437. Banco de Germplasma de Hortalicas. BGH 478. Collected 1966. Inhumas, Goias. Cultivated. Seed.
441856. 438. Banco de Germplasma de Hortalicas. BGH 494. Collected November 24, 1966. Goiania, Goias. Fruits rounded. Local name jilo. Cultivated. Seed.

441838 TO 441912-continued

441857. 439. Banco de Germplasma de Hortalicas. BGH 518.
Collected November 25, 1966. Goiania, Goias. Fruits
elongated, 3 x 8cm, light green when immature. Local name
jilo. Cultivated. Seed.
441858. 440. Banco de Germplasma de Hortalicas. BGH 529.
Collected November 26, 1966. Paracatu, Minas Gerais.
Fruits round, dark green shoulder stripes on light fruit.
Local name jilo. Cultivated. Seed.
441859. 441. Banco de Germplasma de Hortalicas. BGH 555.
Collected November 26, 1966. Unai, Minas Gerais. Fruits
round, 5cm, dark green. Local name jilo. Cultivated. Seed.
441860. 442. Banco de Germplasma de Hortalicas. BGH 556.
Collected November 26, 1966. Unai, Minas Gerais. Fruits
oval. Local name jilo. Cultivated. Seed.
441861. 443. Banco de Germplasma de Hortalicas. BGH 557.
Collected November 26, 1966. Unai, Minas Gerais. Fruits
medium-sized, round. Local name jilo. Cultivated. Seed.
441862. 444. Banco de Germplasma de Hortalicas. BGH 587.
Collected November 28, 1966. Viscosa, Minas Gerais.
Common in markets. Fruits white when immature, red when
ripe. Local name jilo. Cultivated. Seed.
441863. 445. Banco de Germplasma de Hortalicas. BGH 591.
Collected 1966. Divinesia, Minas Gerais. Fruits very
small, round. Local name jilo. Cultivated. Seed.
441864. 446. Banco de Germplasma de Hortalicas. BGH 600.
Collected December 13, 1966. Tocantino, Minas Gerais.
Fruits round, somewhat flattened, 4cm. Local name jilo.
Cultivated. Seed.
441865. 447. Banco de Germplasma de Hortalicas. EGH 601.
Collected December 13, 1966. Tocantino, Minas Gerais.
Fruit medium-sized, round. Local name jilo. Cultivated.
Seed.
441866. 448. Banco de Germplasma de Hortalicas. BGH 602.
Collected December 13, 1966. Barbacena, Minas Gerais.
Fruits ovoid, 8cm long, light green. Local name jilo.
Cultivated. Seed.
441867. 449. Banco de Germplasma de Hortalicas. BGH 610.
Collected December 14, 1966. Market, Barbacena, Minas
Gerais. Fruits round to oval, white when immature. Local
name jilo. Cultivated. Seed.
441868. 450. Banco de Germplasma de Hortalicas. BGH 614.

441838 TO 441912-continued

- Collected December 14, 1966. Barbacena, Minas Gerais. Fruits round, light green, dark green shoulder stripes, "open locule" disorder. Local name jilo. Cultivated. Seed.
441869. 451. Banco de Germplasma de Hortalias. BGH 615. Collected December 14, 1966. Barbacena, Minas Gerais. Fruits elongated, very light green, some "open locule" disorder. Local name jilo. Cultivated. Seed.
441870. 452. Banco de Germplasma de Hortalias. BGH 619. Collected December 14, 1966. Sao Joao del Rei, Minas Gerais. Fruits elongated, very light green. Local name jilo. Cultivated. Seed.
441871. 453. Banco de Germplasma de Hortalias. BGH 628. Collected December 14, 1966. Sao Joao del Rei, Minas Gerais. Fruits pear-shaped. Local name jilo. Cultivated. Seed.
441872. 456. Banco de Germplasma de Hortalias. BGH 1017. Collected February 22, 1967. Vicoso, Minas Gerais. Fruits white when immature. Local name jilo. Cultivated. Seed.
441873. 457. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4156. Collected October 18, 1967. Alegre, Espirito Santo. Fruits small. Local name jilo. Cultivated. Seed.
441874. 458. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4991. Collected 1978. Mutum, Espirito Santo. Local name jilo. Cultivated. Seed.
441875. 459. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4992. Collected 1978. Loginho, Minas Gerais. Local name jilo. Cultivated. Seed.
441876. 460. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4993. Collected 1978. Minas Gerais. Local name jilo. Cultivated. Seed.
441877. 461. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4994. Collected 1978. Itueta, Espirito Santo. Local name jilo. Cultivated. Seed.
441878. 462. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4995. Collected 1978. Itueta, Espirito Santo. Local name jilo. Cultivated. Seed.
441879. 463. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalias. BGH 4996. Collected 1978. Itueta, Espirito Santo. Local name jilo. Cultivated. Seed.
441880. 464. Brazil. Vicoso, Minas Gerais. Banco de Germplasma

441838 TO 441912-continued

- de Hortalicas. BGH 4997. Collected 1978. Barra de Sao Francisco, Espirito Santo. Local name jilo. Cultivated. Seed.
441881. 465. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4998. Collected 1978. Barra de Sao Francisco, Espirito Santo. Local name jilo. Cultivated. Seed.
441882. 466. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 4999. Collected 1978. Barra de Sao Francisco, Espirito Santo. Local name jilo. Cultivated. Seed.
441883. 467. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 5000. Collected 1978. Barra de Sao Francisco, Espirito Santo. Local name jilo. Cultivated. Seed.
441884. 468. Brazil. Vicoso, Minas Gerais. Banco de Germplasma de Hortalicas. BGH 5001. Collected 1978. Cedrolandia, Espirito Santo. Local name jilo. Cultivated. Seed.
441885. 469. Banco de Germplasma de Hortalicas. BGH 4163. Collected 1978. State of Rio de Janeiro. Local name jilo. Cultivated. Seed.
441886. 470. Banco de Germplasma de Hortalicas. BGH 4962. Collected 1978. Petropolis, Rio de Janeiro. Local name jilo. Cultivated. Seed.
441887. 471. Banco de Germplasma de Hortalicas. BGH 4963. Collected 1978. State of Rio de Janeiro. Local name jilo. Cultivated. Seed.
441888. 472. Banco de Germplasma de Hortalicas. BGH 4964. Collected 1978. Terezopolis, Rio de Janeiro. Local name jilo. Cultivated. Seed.
441889. 473. Banco de Germplasma de Hortalicas. BGH 4965. Collected 1978. Terezopolis, Rio de Janeiro. Local name jilo. Cultivated. Seed.
441890. 474. Banco de Germplasma de Hortalicas. BGH 4966. Collected 1978. State of Rio de Janeiro. Local name jilo. Cultivated. Seed.
441891. 475. Banco de Germplasma de Hortalicas. BGH 4967. Collected 1978. State of Rio de Janeiro. Local name jilo. Cultivated. Seed.
441892. 476. Banco de Germplasma de Hortalicas. BGH 4968. Collected 1978. Terezopolis, Rio de Janeiro. Local name

441838 TO 441912-continued

- jilo. Cultivated. Seed.
441893. 477. Banco de Germplasma de Hortalias. BGH 4969.
Collected 1978. Sao Leopold, Espirito Santo. Local name
jilo. Cultivated. Seed.
441894. 478. Banco de Germplasma de Hortalias. BGH 4970.
Collected 1978. State of Espirito Santo. Local name jilo.
Cultivated. Seed.
441895. 479. Banco de Germplasma de Hortalias. BGH 4972.
Collected 1978. Sao Leopold, Espirito Santo. Local name
jilo. Cultivated. Seed.
441896. 480. Banco de Germplasma de Hortalias. BGH 4973.
Collected 1978. Sao Leopold, Espirito Santo. Local name
jilo. Cultivated. Seed.
441897. 481. Banco de Germplasma de Hortalias. BGH 4974.
Collected 1978. Terezopolis, Rio de Janeiro. Local name
jilo. Cultivated. Seed.
441898. 482. Banco de Germplasma de Hortalias. BGH 4975.
Collected 1978. State of Rio de Janeiro. Local name jilo.
Cultivated. Seed.
441899. 483. Banco de Germplasma de Hortalias. BGH 4979.
Collected 1978. State of Rio de Janeiro. Local name jilo.
Cultivated. Seed.
441900. 484. Banco de Germplasma de Hortalias. BGH 4989.
Collected 1978. Loginho, Minas Gerais. Local name jilo.
Cultivated. Seed.
441901. 485. Banco de Germplasma de Hortalias. BGH 4990.
Collected 1978. Mutum, Minas Gerais. Local name jilo.
Cultivated. Seed.
441902. 486. Banco de Germplasma de Hortalias. BGH 5002.
Collected 1978. Cedrolandia, Espirito Santo. Local name
jilo. Cultivated. Seed.
441903. 487. Banco de Germplasma de Hortalias. BGH 5003.
Collected 1978. Alto Sao Jose, Espirito Santo. Local name
jilo. Cultivated. Seed.
441904. 488. Banco de Germplasma de Hortalias. BGH 5004.
Collected 1978. Mutum, Minas Gerais. Local name jilo.
Cultivated. Seed.
441905. 489. Banco de Germplasma de Hortalias. BGH 5005.
Collected 1978. Mutum, Minas Gerais. Local name jilo.
Cultivated. Seed.

441838 TO 441912-continued

441906. 490. Banco de Germplasma de Hortalias. BGH 5006.
Collected 1978. State of Espirito Santo. Local name jilo.
Cultivated. Seed.
441907. 491. Banco de Germplasma de Hortalias. BGH 5007.
Collected 1978. Lagoa, Espirito Santo. Local name jilo.
Cultivated. Seed.
441908. 492. Banco de Germplasma de Hortalias. BGH 5008.
Collected 1978. State of Espirito Santo. Local name jilo.
Cultivated. Seed.
441909. 493. Banco de Germplasma de Hortalias. BGH 5009.
Collected 1978. Lagoa, Espirito Santo. Local name jilo.
Cultivated. Seed.
441910. 494. Banco de Germplasma de Hortalias. BGH 6001.
Collected 1978. Vicosa, Minas Gerais. Local name jilo.
Cultivated. Seed.
441911. 495. Banco de Germplasma de Hortalias. BGH 6002.
Collected 1978. Vicosa, Minas Gerais. Local name jilo.
Cultivated. Seed.
441912. 496. Collected 1978. Vicosa, Minas Gerais. Local name
jilo verde clare. Cultivated. Seed.

441913 TO 441915. Solanum sp. (Solanaceae).

From Brazil. Collected by H. T. Erickson, Department of
Horticulture, Purdue University, West Lafayette, Indiana.
Received October 1978.

441913. 299. Collected July 30, 1978. Vicosa, Minas Gerais.
Plants to 15m or more. Fruits resemble potato berries but
slightly pubescent green. Tree. Wild. Seed.
441914. 454. Banco de Germplasma de Hortalias. BGH 629.
Collected December 14, 1966. Sao Joao del Rei, Minas
Gerais. Fruits round, flattened, light green, dark green
shoulder stripes. Local name gila. Cultivated. Seed.
441915. 455. Banco de Germplasma de Hortalias. BGH 841.
Collected January 02, 1967. Sao Jose Rio Pardo, Sao Paulo.
Fruits round, flattened, light green, dark green shoulder
stripes. Cultivated. Seed.

441916. Turnera sp. (Turneraceae).

From Brazil. Collected by H. T. Erickson, Department of

441916-continued

Horticulture, Purdue University, West Lafayette, Indiana.
Received October 1978.

543. Collected August 15, 1978. Disturbed soils,
Altamira, Para. Plants semi-woody, 1.8m tall. Flowers
yellow, 7cm diam., borne abundantly. Perennial herb. Wild.
Seed.

441917 TO 441925. *Vigna unguiculata* (L.) Walp. subsp. *unguiculata*
(Fabaceae) Southern pea.

From Brazil. Collected by H. T. Erickson, Department of
Horticulture, Purdue University, West Lafayette, Indiana.
Received October 1978.

441917. 14. Collected July 19, 1978. Market, Belem, Para. Seeds
brown, gray-flecked. Local name Feijao de Corda.

441918. 15. Collected July 19, 1978. Market, Belem, Para. Seeds
round, off-white to buff-color. Local name Feijao de
Corda.

441919. 16. Collected July 19, 1978. Market, Belem, Para. Seeds
brown. Local name feijao de corda. Cultivated. Seed.

441920. 23. Collected July 19, 1978. Market, Fortaleza, Ceara.
Sample highly mixed. Local name feijao de corda.
Cultivated. Seed.

441921. 516. Collected August 06, 1978. Farm, Posse, Goias.
Seeds small, round, variable color. Local name feijca or
chumbinko. Cultivated. Seed.

441922. 518. Collected August 06, 1978. Market, Posse, Goias.
Seeds brown and gray. Local name feijoa de corda.
Cultivated. Seed.

441923. 522. Collected August 07, 1978. Alvordo do Norte, Goias.
Seeds small, brown and gray. Local name feigca cotcdor.
Cultivated. Seed.

441924. 523. Collected August 07, 1978. Alvordo do Norte, Goias.
Seeds small, pinkish-tan to buff-color. Local name feijca
cotodor. Cultivated. Seed.

441925. 527. Collected August 12, 1978. Market, Altamira, Para.
Seeds cream-colored, darker eye, common in market.
Cultivated. Seed.

441926 TO 441928. *Coffea arabica* L. (Rubiaceae) Coffee.

From Costa Rica. Donated by Centro Agronomico Tropical de

441926 TO 441928-continued

Investigacion y Ensenanza (CATIE), Turrialba.
Received March 1980.

441926. 2299. Laurina. Collected 1950. Atirro. E-type resistance to *Hemileia vastatrix*. Cultivated. Seed.
441927. 4374. Caripe. Venezuela. Collected 1963. Monagas. Collected by P. Sylvain. Seed.
441928. 4450. S. 12 Kaffa. Portugal. Oeiras. Centro de Investigacao das Ferrugens do Cafeeiro. CIFC 134/4. I-type resistance to *Hemileia vastatrix*. Cultivated. Seed.

441929 TO 441932. *Zea diploperennis* Iltis, Doebley & Guzman (Poaceae).

From Mexico. Collected by R. Guzman, Department of Botany, University of Wisconsin, Madison, Wisconsin.
Received March 1980.

441929. 777. Collected December 15, 1977. South 20km of El Chante, 7km ENE of El Durazro, Jalisco. 2300m. Lat. 19 deg. 31' 45" N, Long. 104 deg. 13' W. Agricultural land, sometimes on edge of small maize fields. Plants to 2.5m tall. Stems 1 to 10 from each root system. Rhizomes, 3 to 15cm growth each year, short, thick tuberous offshoots 1 x 3cm, one to several from base of culms. F 1 hybrids with maize occur. Diploid number 20. Perennial herb. Wild. Seed.
441930. 1190. Collected January 04, 1979. South 0.3km of Manantlan, 11km S of El Chante, Jalisco. 1450m. Lat. 19 deg. 35' 40" N, Long. 104 deg. 12' 30" W. Co-collectors L. Guzman M. and M. Nee. Weedy, abandoned corn and sorghum field. Plants 3-4m tall, often in high clumps over 0.3m diam. Stems often 30 or more. Rhizomes many, 1-3cm long. Peducles of cobs 1 to 60cm long. Seeds reportedly collected for sale as forage plants. Local name Maicillo. Perennial herb. Wild. Seed.
441931. 1375. Collected January 06, 1979. Las Joyas, 7.8km W by WSW of Rincon de Mananthan, Jalisco. 1900m. Lat. 19 deg. 35' 50" N, Long. 104 deg. 17' W. Co-collectors R. Guzman M. and M. Nee. Thickets along stream or past and present maize fields. Plants 1.5-2.5m tall, in dense, many stemmed (30-100) colonies. Perennial herb. Wild. Seed.
441932. 1250. Collected January 06, 1979. Top of Sierra de Manantlan, 15km SSW of El Chante, Jalisco. 1900m. Lat. 19 deg. 35' 15" N, Long. 104 deg. 15' 50" W. Co-collectors R. Guzman M. and M. Nee. Open, grassy, ungrazed slopes and roadsides, pastures and grazed orchards. Perennial herb. Wild. Seed.

441933. *Zea luxurians* (Durieu & Asch.) Bird (Poaceae).

From Guatemala. Collected by H. H. Iltis, Department of Botany, University of Wisconsin, Madison, Wisconsin.
Received March 1980.

G-5. Collected December 1975. Maize fields and adjoining areas, 1.2km N of El Progreso, Jalapa, Ver. 1040-1060m. Plants of variable appearance, unbranched, very slender, to 2.5m tall in shade, 3-7 lateral tcp branches if shaded during growth, or 7-9 branches from base if shade-free, to 1.2m tall. Rhizomes absent. No evidence of hybridization. Received as *Z. mays* subsp. *luxurians*. Annual. Wild. Seed.

441934. *Zea mays* subsp. *parviglumis* var. *huehuetenangensis* Iltis & Doebley (Poaceae) Teosinte.

From Guatemala. Collected by H. H. Iltis, Department of Botany, University of Wisconsin, Madison, Wisconsin.
Received March 1980.

G-120. Collected January 09, 1976. Steep slopes by road to Jacoltenango, 1.5-25km ENE of San Antonio Huista. 1300-1400m. Co-collectors K. Lind and A. Barrios. Maize fields and previous maize fields. Many F 1 hybrids. Wild. Seed.

441935. *Lycopersicon esculentum* Mill. (Solanaceae) Tomato.

From United States. Donated by D. D. Dolan & W. B. Sherring, Northeast Regional Plant Introduction Station, New York Agricultural Experiment Station, Geneva, New York.
Received March 1980.

64-4. Selected from PI 174263 (Turkey). Plants intermediate type, medium vigor. Fruits flattened-globose, dark red, green shoulders, some radial and concentric cracking. Cold tolerant germination to 10 deg. C. Cultivated. Seed.

441936 TO 441943. *Medicago aculeata* Willd. (Fabaceae).

From Syria. Donated by The International Center for Agricultural Research in the Dry Areas (ICARDA), Aleppo.
Received March 1980.

441936. ICARDA 18. Annual. Seed.

441937. ICARDA 1463. Annual. Seed.

441938. ICARDA 1475. Annual. Seed.

441936 TO 441943-continued

441939. ICARDA 1477. Annual. Seed.

441940. ICARDA 1480. Annual. Seed.

441941. ICARDA 1488. Annual. Seed.

441942. ICARDA 1512. Annual. Seed.

441943. ICARDA 1531. Annual. Seed.

**441944 TO 441968. *Medicago rigidula* (L.) All. (Fabaceae) Tifton
burclover.**

From Syria. Donated by The International Center for Agricultural
Research in the Dry Areas (ICARDA), Aleppo.
Received March 1980.

441944. ICARDA 298. Annual. Seed.

441945. ICARDA 303. Annual. Seed.

441946. ICARDA 317. Annual. Seed.

441947. ICARDA 320. Annual. Seed.

441948. ICARDA 329. Annual. Seed.

441949. ICARDA 334. Annual. Seed.

441950. ICARDA 338. Annual. Seed.

441951. ICARDA 339. Annual. Seed.

441952. ICARDA 343. Annual. Seed.

441953. ICARDA 765. Annual. Seed.

441954. ICARDA 788. Annual. Seed.

441955. ICARDA 792. Annual. Seed.

441956. ICARDA 913. Annual. Seed.

441957. ICARDA 914. Annual. Seed.

441958. ICARDA 918. Annual. Seed.

441959. ICARDA 923. Annual. Seed.

441960. ICARDA 928. Annual. Seed.

441944 TO 441968-continued

- 441961. ICARDA 940. Annual. Seed.
- 441962. ICARDA 949. Annual. Seed.
- 441963. ICARDA 953. Annual. Seed.
- 441964. ICARDA 989. Annual. Seed.
- 441965. ICARDA 1000. Annual. Seed.
- 441966. ICARDA 1010. Annual. Seed.
- 441967. ICARDA 1020. Annual. Seed.
- 441968. ICARDA 1073. Annual. Seed.

441969 TO 441970. *Allium cepa* L. (Amaryllidaceae) Onion.

From Peru. Collected by H.M. Munger, Department of Plant Breeding and Biometry, Cornell University, Ithaca, New York.
Received April 1979.

- 441969. Rio Grande. Peru. La Molina, Lima. Ministry of Agriculture. Collected March 1979. Originally from Brazil. Yellow type. Cultivated. Seed.
- 441970. Sintese 39. Peru. La Molina, Lima. Ministry of Agriculture. Collected March 1979. Originally from Brazil. Red type, little doubling, good storage quality. Cultivated. Seed.

441971. *Pisum sativum* L. (Fabaceae) Garden pea.

From Peru. Collected by H.M. Munger, Department of Plant Breeding and Biometry, Cornell University, Ithaca, New York.
Received April 1979.

Azul. Peru. La Molina, Lima. Ministry of Agriculture. Collected March 1979. Presented by A. Corrales. Local name Arveja. Cultivated. Seed.

441972 TO 441973. *Pisum sativum* L. (Fabaceae) Garden pea.

From Ecuador. Donated by H.M. Munger, Department of Plant Breeding and Biometry, Cornell University, Ithaca, New York.
Received through L. Gamble, U.S. Peace Corps.
Received April 1979.

- 441972. Collected March 1979. Vicinity of Mira. Plants tall,

441972 TO 441973-continued

late maturity, harvested green or dry. Local name Arveja.
Cultivated. Seed

441973. Collected March 1979. Vicinity of Cahuarsgui. Plants tall, late maturity, harvested green or dry. Local name Arveja. Cultivated. Seed.

441974. *Asparagus crispus* Lam. (Liliaceae) Drooping asparagus.

From Italy. Donated by E. Sgaravatti, Food and Agriculture Organization of the United Nations, 00100-Rome.
Received March 1980.

53.094. Italy. Siena. Orto Botanica dell' Universita.
Cultivated. Seed.

441975. *Asparagus asparagoides* (L.) W. F. Wight (Liliaceae) Smilax asparagus.

From Italy. Donated by E. Sgaravatti, Food and Agriculture Organization of the United Nations, 00100-Rome.
Received March 1980.

53.096. Italy. Palermo. Giardino Botanico e Coloniale.
Cultivated. Seed.

441976. *Asparagus officinalis* L. (Liliaceae) Garden asparagus.

From Italy. Donated by E. Sgaravatti, Food and Agriculture Organization of the United Nations, 00100-Rome.
Received March 1980.

53.095. Italy. Siena. Orto Botanico dell' Universita.
Cultivated. Seed.

441977. *Asparagus densiflorus* (Kunth) Jessop (Liliaceae) Sprenger asparagus.

From Italy. Donated by E. Sgaravatti, Food and Agriculture Organization of the United Nations, 00100-Rome.
Received March 1980.

53.084. Italy. Rome. Istituto ed Crto Bontanico di Roma.
Cultivated. Seed.

441978. *Asparagus virgatus* Baker (Liliaceae).

From Italy. Donated by E. Sgaravatti, Food and Agriculture

441978-continued

Organization of the United Nations, 00100-Rome.
Received March 1980.

53.083. Italy. Rome. Instituto ed Crto Botanico di Roma.
Cultivated. Seed.

441979 TO 441980. *Gossypium arboreum* L. (Malvaceae) Ceylon cotton.

From China, Peoples Repub of. Donated by Institute of Genetics,
Academia Sinica, Beijing.
Received April 1980.

441979. Liaochung 6. From Liaoning. Cultivated. Seed.

441980. Wantzu. From Anhwei. Cultivated. Seed.

441981 TO 441982. *Gossypium herbaceum* L. (Malvaceae) Levant cotton.

From China, Peoples Repub of. Donated by Institute of Genetics,
Academia Sinica, Beijing.
Received April 1980.

441981. Tunhwang. From Tunhwang, Kansu. Cultivated. Seed.

441982. Tzuyung. From Sinkiang. Cultivated. Seed.

441983 TO 441985. *Helianthus annuus* L. (Asteraceae) Sunflower.

From Argentina. Donated by Ing. Nestor Luciani, Cia. Continental
S.A., 3100-Parana.
Received April 1980.

441983. Guayacan 2 INTA. Cultivated. Seed.

441984. Negro Bellocq. Cultivated. Seed.

441985. Riestra 70. Cultivated. Seed.

441986. *Echinochloa turnerana* (Domin) J. M. Elack (Poaceae).

From Australia. Donated by Queensland Department of Primary
Industries, Brisbane, Queensland. Received through CSIRO,
Division of Plant Industry, Canberra City.
Received October 1979.

Collected 1977. Ambathala Lake area, Adavale Rd., Lat.
26 deg. S, Long. 145 deg. 20' E. Excellent source of
fodder in this area. Local name Channel Millet. Wild.
Seed.

441987 TO 441988. *Cucumis melo* L. (Cucurbitaceae) Muskmelon.

From Colombia. Donated by Southern Regional Plant Introduction Station, USDA, Experiment, Georgia.
Received April 1980.

441987. Espinal-Tolima. Local name criollo or indio. Tolerant to local cucurbit mosaic virus. Cultivated. Seed.

441988. Smith's Perfect Seeds. Espinal-Tolima. Downy mildew resistance, tolerant to local cucurbit mosaic virus. Cultivated. Seed.

441989 TO 441990. *Cucumis africanus* L. (Cucurbitaceae).

From Netherlands. Donated by T.P.M. den Nijs, Institute for Horticultural Plant Breeding, Wageningen. Code numbers refer to Institute and Seed Catalog (C&K) designations.
Received September 1978.

441989. IVT 0162. (C78202). Naaldivijk. Highly susceptible to nematodes. Wild. Seed.

441990. IVT 0181. (K67312). Denmark. Copenhagen. Cultivated. Seed.

441991. *Cucumis anguria* L. (Cucurbitaceae) West indian gherkin.

From Netherlands. Donated by T.P.M. den Nijs, Institute for Horticultural Plant Breeding, Wageningen. Code numbers refer to Institute and Seed Catalog (C&K) designations.
Received September 1978.

IVT 0198. (K68702). Italy. Pisa. Cultivated. Seed.

441992. *Cucumis callosus* (Rottl.) Cogn. (Cucurbitaceae).

From Netherlands. Donated by T.P.M. den Nijs, Institute for Horticultural Plant Breeding, Wageningen. Code numbers refer to Institute and Seed Catalog (C&K) designations.
Received September 1978.

IVT 1739. (C77159). India. New Delhi. IARI. Wild. Seed.

441993. *Cucumis dipsaceus* Ehrenb. ex Spach (Cucurbitaceae) Teasel gourd.

From Netherlands. Donated by T.P.M. den Nijs, Institute for Horticultural Plant Breeding, Wageningen. Code numbers refer to Institute and Seed Catalog (C&K) designations.

441993-continued

Received September 1978.

IVT 0163. (C78203). Naaldivijk. Wild. Seed.

441994. Cucumis melo var. agrestis Naudin (Cucurbitaceae).

From Netherlands. Donated by T.P.M. den Nijs, Institute for Horticultural Plant Breeding, Wageningen. Code numbers refer to Institute and Seed Catalog (C&K) designations.

Received September 1978.

IVT 1743. (C77040). Turkey. Wild. Seed.

441995. Cucumis metuliferus E. Mey ex Naudin (Cucurbitaceae).

From Netherlands. Donated by T.P.M. den Nijs, Institute for Horticultural Plant Breeding, Wageningen. Code numbers refer to Institute and Seed Catalog (C&K) designations.

Received September 1978.

IVT 0164. (C78204). Naaldivijk. Wild. Seed.

441996 TO 441999. Cucumis myriocarpus Naud. (Cucurbitaceae).

From Netherlands. Donated by T.P.M. den Nijs, Institute for Horticultural Plant Breeding, Wageningen. Code numbers refer to Institute and Seed Catalog (C&K) designations.

Received September 1978.

441996. IVT 0165. (C78205). Naaldivijk. Wild. Seed.

441997. IVT 0182. (K67313). Denmark. Copenhagen. Cultivated. Seed.

441998. IVT 0184. (K68700). United Kingdom. Kew, England. Cultivated. Seed.

441999. IVT 1742. (K63028). Poland. Lodz. Cultivated. Seed.

442000. Vigna angularis (Willd.) Ohwi & Ohashi (Fabaceae) Adzuki bean.

From Japan. Donated by Tadao Ui, Department of Plant Pathology, Hokkaido University, Sapporo 060.

Received April 1980.

'Kotobuki'. Cultivated. Cultivar. Seed.

442001. *Vicia faba* L. (Fabaceae) Broadbean.

From Spain. Donated by Departamento de Cereales y Leguminosas, INIA, C.R.D.A.-6, Madrid.
Received April 1980.

Toledo. Seeds eaten when green. Local name Habas Aguadulce. Cultivated. Seed.

442002. *Vicia faba* L. (Fabaceae) Broadbean.

From Spain. Donated by M. T. Moreno, Instituto Nacional de Investigaciones Agrarias, Cordoba.
Received April 1980.

Produced in Cordoba area. Cultivated. Seed.

442003 TO 442004. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Donated by Institute of Crop Breeding and Cultivation, Chinese Academy of Agricultural Science, Beijing. Received through G. Liang, Dept. of Agronomy, Kansas State University, Manhattan, Kansas.
Received March 1980.

442003. Dong Nong 43. Cultivated. Seed.

442004. Feng Yuan Qing. Cultivated. Seed.

442005 TO 442021. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From Korea, Republic of. Donated by Applied Genetics Laboratory, Korea Atomic Energy Research Institute, Seoul. Received through R. Loiselle, Plant Gene Resources of Canada, Ottawa.
Received March 1980.

442005. KAS 160-1. Plant Gene Resources of Canada. PGR 7574.
Gyeonggi Do. Cultivated. Seed.

442006. KAS 160-2. Plant Gene Resources of Canada. PGR 7575.
Gyeonggi Do. Cultivated. Seed.

442007. KAS 160-3. Plant Gene Resources of Canada. PGR 7576.
Gyeonggi Do. Cultivated. Seed.

442008. KAS 160-4. Plant Gene Resources of Canada. PGR 7577.
Gyeonggi Do. Cultivated. Seed.

442009. KAS 160-5. Plant Gene Resources of Canada. PGR 7578.
Gyeonggi Do. Cultivated. Seed.

442005 TO 442021-continued

442010. KAS 160-7. Plant Gene Resources of Canada. PGR 7579. Gyeonggi Do. Cultivated. Seed.
442011. KAS 160-9. Plant Gene Resources of Canada. PGR 7580. Gyeonggi Do. Cultivated. Seed.
442012. KAS 160-10. Plant Gene Resources of Canada. PGR 7581. Gyeonggi Do. Cultivated. Seed.
442013. KAS 174-1. Plant Gene Resources of Canada. PGR 7583. Gyeonggi Do, Icheon Gun. Cultivated. Seed.
442014. KAS 182-1. Plant Gene Resources of Canada. PGR 7584. Gyeonggi Do. Cultivated. Seed.
442015. KAS 231-9. Plant Gene Resources of Canada. PGR 7593. Gangweon Do. Cultivated. Seed.
442016. KAS 235-19. Plant Gene Resources of Canada. PGR 7597. Gangweon Do, Inje Gun. Cultivated. Seed.
442017. KAS 544-11. Plant Gene Resources of Canada. PGR 7660. Jeonra Nam Do, Gwangju Gun. Cultivated. Seed.
442018. KAS 641-6. Plant Gene Resources of Canada. PGR 7712. Gyeongsang Bug Do, Seonsan Gun. Cultivated. Seed.
442019. KAS 642-4. Plant Gene. PGR 7715. Gyeongsang Bug Do, Sangju Gun. Cultivated. Seed.
442020. KAS 644-8. Plant Gene Resources of Canada. PGR 7727. Gyeongsang Bug Do, Gyung-san Gun. Cultivated. Seed.
442021. KAS 644-10. Plant Gene Resources of Canada. PGR 7729. Gyeongsang Bug Do, Gyung-san Gun. Cultivated. Seed.

442022 TO 442045. Glycine max (L.) Merr. (Fabaceae) Soybean.

From Poland. Donated by Plant Breeding and Acclimatization Institute, Radzikow/Warszawy.
Received March 1980.

442022. Isz-7. Hungary. Cultivated. Seed.
442023. Isz-10. Hungary. Cultivated. Seed.
442024. Isz-13. Hungary. Cultivated. Seed.
442025. Isz-14. Hungary. Cultivated. Seed.
442026. Kz-237. Hungary. Cultivated. Seed.

442022 TO 442045-continued

442027. Kz-761. Hungary. Cultivated. Seed.
442028. Panonia-10. Hungary. Cultivated. Seed.
442029. Amurskaja 10. Soviet Union. Cultivated. Seed.
442030. Amurskaja 334. Soviet Union. Cultivated. Seed.
442031. Amurskaja 402. Soviet Union. Cultivated. Seed.
442032. Amurskaja Buraja. Soviet Union. Cultivated. Seed.
442033. Amurskaja Ciernaja. Soviet Union. Cultivated. Seed.
442034. b/n D-427. Soviet Union. Cultivated. Seed.
442035. Chabarowskaja. Soviet Union. Cultivated. Seed.
442036. Chabarowskaja 4. Soviet Union. Cultivated. Seed.
442037. Prawda. Soviet Union. Cultivated. Seed.
442038. Riekord siewiera. Soviet Union. Cultivated. Seed.
442039. Salut 216. Soviet Union. Cultivated. Seed.
442040. Wniisa 2. Soviet Union. Cultivated. Seed.
442041. Soviet Union. VIR 4975. Cultivated. Seed.
442042. B -45/60. Yugoslavia. Cultivated. Seed.
442043. Cst -17. Yugoslavia. Cultivated. Seed.
442044. Maksymirka. Yugoslavia. Cultivated. Seed.
442045. Ruska Zluta. Yugoslavia. Cultivated. Seed.

442046. *Acorus* sp. (Araceae).

From United States. Donated by Richard A. Simon, Bluemont Nurseries, Inc, Monkton, MD 21111.
Received February 1980.

Received as *Acorus graminifolia variegata*. Cultivated.
Plants.

442047. *Calamagrostis arundinacea* var. *brachytrica* (Steud.) Hack.
(Poaceae).

From United States. Donated by Richard A. Simon, Bluemont

442047-continued

Nurseries, Inc, Monkton, MD 21111.
Received February 1980.

Cultivated. Plants.

442048. *Calamagrostis epigeios* (L.) Roth (Poaceae).

From United States. Donated by Richard A. Simon, Bluemont Nurseries, Inc, Monkton, MD 21111.
Received February 1980.

Received as subsp. *hortorum*. Cultivated. Plants.

442049. *Miscanthus nepalensis* (Trin.) Hack. (Poaceae).

From United States. Donated by Richard A. Simon, Bluemont Nurseries, Inc, Monkton, MD 21111.
Received February 1980.

Cultivated. Plants.

442050. *Miscanthus sinensis* Anderss. (Poaceae) *Miscanthus*.

From United States. Donated by Richard A. Simon, Bluemont Nurseries, Inc, Monkton, MD 21111.
Received February 1980.

Giganteus. Cultivated. Plants.

442051. *Spartina pectinata* Link (Poaceae).

From United States. Donated by Richard A. Simon, Bluemont Nurseries, Inc, Monkton, MD 21111.
Received February 1980.

Received as synonym *S. michauxiana*. Cultivated. Plants.

442052 TO 442053. *Helianthus annuus* L. (Asteraceae) Sunflower.

From Hungary. Donated by Research Centre for Agrobotany, N.I.A.V.T., Taposzele. Received through Food and Agriculture Organization of the United Nations (FAO), Rome, Italy.
Received May 1980.

442052. Gahyb-6. FAO 54.149. Cultivated. Seed.

442053. Gahyb-7. FAO 54.150. Cultivated. Seed.

442054 TO 442061. *Triticum aestivum* L. (Poaceae) Common wheat.

From Turkey. Donated by Regional Agricultural Research Institute,
Menemen, Izmir.

Received December 1979.

- 442054. TR 31741. Possible wheat streak mosaic virus resistance.
Cultivated. Seed.
- 442055. TR 32281. Possible wheat streak mosaic virus resistance.
Cultivated. Seed.
- 442056. TR 32628. Possible wheat streak mosaic virus resistance.
Cultivated. Seed.
- 442057. TR 32699. Possible wheat streak mosaic virus resistance.
Cultivated. Seed.
- 442058. TR 32704. Possible wheat streak mosaic virus resistance.
Cultivated. Seed.
- 442059. TR 32711. Possible wheat streak mosaic virus resistance.
Cultivated. Seed.
- 442060. TR 32743. Possible wheat streak mosaic virus resistance.
Cultivated. Seed.
- 442061. TR 32752. Possible wheat streak mosaic virus resistance.
Cultivated. Seed.

442062 TO 442064. *Triticum compactum* Host (Poaceae) Club wheat.

From Turkey. Donated by Regional Agricultural Research Institute,
Menemen, Izmir.

Received December 1979.

- 442062. TR 32196. Cultivated. Seed.
- 442063. TR 32633. Cultivated. Seed.
- 442064. TR 32870. Cultivated. Seed.

442065 TO 442068. X *Agrotriticum Ciferri & Giacom.* (Poaceae).

From South Africa. Donated by R. De V. Pienaar, Department of
Genetics, Faculty of Agricultural Sciences, University of
Stellenbosch, Stellenbosch.

Received April 1980.

- 442065. *Triticum aestivum* cv. INIA 66 x *Agropyron distichum*. C3
generation. Diploid number 70. Cultivated. Seed.

442065 TO 442068-continued

442066. (*Triticum aestivum* cv. INIA 66/*Agropyron distichum*) x INIA 66. F2 backcross. Diploid number 56. Cultivated. Seed.

442067. *Triticum durum* cv. Calvin x *Agropyron distichum*. C2 generation. Diploid number 56. Cultivated. Seed.

442068. *Triticum durum* cv. Nordum x *Agropyron distichum*. C2 generation. Diploid number 56. Cultivated. Seed.

442069. *Beta vulgaris* L. (Chenopodiaceae) Swiss chard.

From Spain. Donated by T.T. Stessin, Miami Beach, Florida. Received October 1978.

Valencia. Local name acelga. Cultivated. Seed.

442070 TO 442075. *Astragalus sinicus* L. (Fabaceae).

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations. Received April 1978.

442070. 420701-020001. Cultivated. Seed.

442071. 420701-030001. Japan. Inada, Joetsu, Niigata. Fourth Lab. of Crops, Hokuriku Nat. Ag. Expt. Sta. HO-6001. Bred from Hokuriku 1. Cultivated. Seed.

442072. 420701-030007. Cultivated. Seed.

442073. 420701-030012. Cultivated. Seed.

442074. 420701-040001. Cultivated. Seed.

442075. 420701-050009. Cultivated. Seed.

442076 TO 442083. *Bromus unioloides* H.B.K. (Poaceae) Rescuegrass.

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.

442076 TO 442083-continued
Received April 1978.

- 442076. 110901-490001. Cultivated. Seed.
- 442077. 110901-520001. Cultivated. Seed.
- 442078. 110901-520002. Cultivated. Seed.
- 442079. 110901-520003. Cultivated. Seed.
- 442080. 110901-520004. Cultivated. Seed.
- 442081. 110901-520005. Cultivated. Seed.
- 442082. 110901-520006. Cultivated. Seed.
- 442083. 110901-610001. Cultivated. Seed.

442084 TO 442100. *Cenchrus ciliaris* L. (Poaceae) Buffelgrass.

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

- 442084. 111101-500001. Cultivated. Seed.
- 442085. 111101-520001. Cultivated. Seed.
- 442086. 111101-520003. Cultivated. Seed.
- 442087. 111101-520004. Cultivated. Seed.
- 442088. 111101-520006. Cultivated. Seed.
- 442089. 111101-520009. Cultivated. Seed.
- 442090. 111101-520010. Cultivated. Seed.
- 442091. 111101-520013. Cultivated. Seed.
- 442092. 111101-520014. Cultivated. Seed.
- 442093. 111101-520015. Cultivated. Seed.
- 442094. 111101-520017. Cultivated. Seed.
- 442095. 111101-520018. Cultivated. Seed.

442084 TO 442100-continued

442096. 111101-520019. Cultivated. Seed.

442097. 111101-800003. Cultivated. Seed.

442098. 111101-800004. Cultivated. Seed.

442099. 111101-800005. Cultivated. Seed.

442100. 111101-800006. Cultivated. Seed.

442101. *Chloris distichophylla* Lag. (Poaceae).

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

111302-800001. Cultivated. Seed.

442102 TO 442103. *Dactylis glomerata* L. (Poaceae) Orchardgrass.

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

442102. 112001-010001. Cultivated. Seed.

442103. 112001-020002. Cultivated. Seed.

442104 TO 442107. *Eragrostis curvula* (Schrad.) Nees (Poaceae) Weeping lovegrass.

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

442104. 112601-520001. Ermelo Strain. Japan. Zentsuji, Kagawa. Lab. of Forage Crops, Shikoku Nat. Agric. Expt. Sta. SH-K-

442104 TO 442107-continued

90. Cultivated. Seed.

442105. 112601-520002. Japan. Zentsuji, Kagawa. Lab. of Forage Crops, Shikoku Nat. Agric. Expt. Sta. SH-K-89. Cultivated. Seed.

442106. 112601-800001. Japan. Zentsuji, Kagawa. Lab. of Forage Crops, Shikoku Nat. Agric. Expt. Sta. SH-K-248. Cultivated. Seed.

442107. 112601-800002. Cultivated. Seed.

442108. *Eragrostis curvula* (Schrad.) Nees (Poaceae) Weeping lovegrass.

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

112605-520001. Helshoogte. Japan. Zentsuji, Kagawa. Lab. of Forage Crops, Shikoku Nat. Agric. Expt. Sta. SH-K-91. Originally from South Africa. Cultivated. Seed.

442109 TO 442113. *Eragrostis superba* Peyr. (Poaceae) Wilman lovegrass.

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

442109. 112607-520001. Cultivated. Seed.

442110. 112607-520002. Northan B/53/22. Japan. Zentsuji, Kagawa. Lab. of Forage Crops, Shikoku Nat. Agric. Expt. Sta. SH-K-191. Cultivated. Seed.

442111. 112607-520003. Northan B/52/9. Japan. Zentsuji, Kagawa. Lab. of Forage Crops, Shikoku Nat. Agric. Expt. Sta. SH-K-192. Cultivated. Seed.

442112. 112607-520004. Cultivated. Seed.

442113. 112607-520005. Cultivated. Seed.

442114 TO 442115. *Eragrostis tef* (Zucc.) Trotter (Poaceae) Teff.

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

442114. 112604-500001. Cultivated. Seed.

442115. 112604-520001. Cultivated. Seed.

442116 TO 442120. *Festuca arundinacea* Schreb. (Poaceae) Tall fescue.

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

442116. 112901-010001. Cultivated. Seed.

442117. 112901-010002. Cultivated. Seed.

442118. 112901-010003. Cultivated. Seed.

442119. 112901-010004. Cultivated. Seed.

442120. 112901-010005. Cultivated. Seed.

442121. *Lolium subulatum* Vis. (Poaceae).

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

113507-800001. Wimmera Ryegrass. Japan. Ouchi-mihori, Yamaguchi. Forage Crops Breeding Lab., Yamaguchi Pref. Ag. Expt. YG-30044. Originally from Australia. Cultivated. Seed.

442122. *Oryzopsis miliacea* (L.) Benth. & Hook. f. ex Asch. &

442122-continued

Schweinf. (Poaceae) Smilgrass.

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

114001-610001. Cultivated. Seed.

442123. *Panicum bulbosum* H. B. K. (Poaceae).

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

113103-490001. Cultivated. Seed.

442124. *Panicum coloratum* L. (Poaceae) Kleingrass.

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

113104-520001. Cultivated. Seed.

442125. *Panicum dichotomiflorum* Michx. (Poaceae) Fall panicgrass.

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

113112-070001. Cultivated. Seed.

442126 TO 442127. *Panicum maximum* Jacq. (Poaceae) Guineagrass.

From Japan. Donated by K. Kumagai, Seed Storage Laboratory,

442126 TO 442127-continued

Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

442126. 113105-490001. Cultivated. Seed.

442127. 113105-510002. Cultivated. Seed.

**442128 TO 442130. *Panicum maximum* var. *trichoglume* Eyles (Poaceae)
Green panicgrass.**

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

442128. 113113-010001. Cultivated. Seed.

442129. 113113-170001. Cultivated. Seed.

442130. 113113-800001. Cultivated. Seed.

442131. *Panicum prolatum* F. Muell. (Poaceae).

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

113111-490001. Cultivated. Seed.

442132. *Brachiaria ramosa* (L.) Stapf (Poaceae).

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

113110-610001. Cultivated. Seed.

442133. *Phalaris minor* Retz. (Poaceae).

From Japan. Donated by K. Kumagai, Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka, Kanagawa 254. Received through United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to crop code and name designations.
Received April 1978.

114502-490001. Cultivated. Seed.

442134 TO 442135. *Oryza sativa* L. (Poaceae) Rice.

From Egypt. Donated by M. S. Bala, Field Crops Research Institute, Agricultural Research Center, Giza.
Received April 1980.

442134. Giza 171. Short-grain type. Cultivated. Seed.

442135. Giza 172. Cultivated. Seed.

442136. *Oryza sativa* L. (Poaceae) Rice.

From Australia. Donated by Division of Plant Industry, N.S.W. Department of Agriculture, Sydney, New South Wales.
Received April 1980.

YR71003-9. Cultivated. Seed.

442137 TO 442145. *Oryza sativa* L. (Poaceae) Rice.

From Italy. Donated by Ente Nazionale Risi, Centro Di Ricerche Sul Riso, Mortara.
Received April 1980.

442137. Arborio. Cultivated. Seed.

442138. Carnaroli. Cultivated. Seed.

442139. Cripto 3. Cultivated. Seed.

442140. Navile. Cultivated. Seed.

442141. Nero. Cultivated. Seed.

442142. Radon 2. Cultivated. Seed.

442143. Titanio. Cultivated. Seed.

442137 TO 442145-continued

442144. Torio. Cultivated. Seed.

442145. Veneria. Cultivated. Seed.

442146 TO 442147. *Oryza sativa* L. (Poaceae) Rice.

From Thailand. Donated by Rice Division, Department of Agriculture and Cooperatives, Banghken, Bangkok.
Received April 1980.

442146. GS 972. Gow Ruang 88. Cultivated. Seed.

442147. GS 1202. Khao Pakh Maw 148. Cultivated. Seed.

442148 TO 442150. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Israel. Donated by A. Ashri, The Levi Eshkol School of Agriculture, The Hebrew University of Jerusalem, Rehovot.
Received April 1979.

442148. Shulamit x Line 203. Plants uniform. Pods large.
Cultivated. Breeding material. Seed.

442149. Z-114-1. Plants uniform. Resistant to delimited shell spots. Cultivated. Breeding material. Seed.

442150. Shulamit x 113. Plants uniform. Resistant to delimited shell spots. Cultivated. Breeding material. Seed.

442151. *Antigonon* sp. (Polygonaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

M 26003. Collected November 10, 1979. Sinaloa State.
Vine, darker than common cultivars, approaching red.
Cultivated. Seed.

442152 TO 442155. *Apodanthera undulata* Gray (Cucurbitaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

442152 TO 442155-continued

442152. K792-061. Collected October 24, 1979. Field, Egidio Potrero El Pitayo on Pan American Hwy., Guanajuato. Leaves undulate. Fruits yellow at maturity, 11cm long, 8cm diam. Placenta solid. Flesh orange, 14cm thick. Seeds brown with white margins. Rancid butter aroma, bitter taste. Wild. Seed.
442153. K792-108. Collected October 24, 1979. Cornfields, San Bartolo, Pan Am. Hwy. (18.5km) below Queretaro border. Vines, small. Fruits round, green with light green stripes, yellow at maturity, 5.7cm long, 5.75cm diam. Placenta solid. Rind thin. Seeds brown. Used medicinally for stomach trouble. Wild. Seed.
442154. K792-109. Collected October 24, 1979. Along field, Km 5, Carretera Amealco, Municipio San Juan del Fio, Queretaro. Vine. Leaves undulate. Fruits oval, green, yellow at maturity, 8cm long, 5cm diam. Placenta solid. Flesh green, thin, very bitter. Seeds brown, white margins. Rancid butter odor. Used for stomach pains. Wild. Seed.
442155. K792-141. Collected October 24, 1979. San Bartolo turn-off, Km 18.5, Pan American Hwy., Guanajuato. Vine, small. Leaves undulate. Fruit small, round, green, pebbled surface. Wild. Seed.

442156 TO 442157. *Apodanthera* sp. (Cucurbitaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

442156. K792-253. Collected November 08, 1979. Cornfield, Palmitas, Municipio de Cuquillo, off Carretera 54, Zacatecas. Fruits ovate-cylindrical, yellow, 9cm long, 7cm diam. Peduncle longer than 7cm, 0.5cm diam. and angled at fruit attachment. Wild. Seed.
442157. K792-291. Collected November 18, 1979. Sandita de Baton, Rancho La Azteca, Mun. de Motozintla, Chiapas. Wild. Seed.

442158. *Arbutus unedo* L. (Ericaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

442158-continued

K792-245. Collected November 10, 1979. Fuente Buenos Aires near Km 154.5, Carretera 40, Durango. Shrub, low. Fruit globose, shiny red, 8 to 12mm diam. Perennial woody. Wild. Seed.

442159. Aster sp. (Asteraceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

K792-310. Collected November 09, 1979. Dry field, Fresnillo-Durango Hwy., Km 134, Zacatecas. Plants 20 to 30cm tall. Flowers compound, numerous, lavender or pink with yellow centers, to 3cm diam. Appears to thrive on dry, sunny sites. Wild. Seed.

442160 TO 442167. Bidens sp. (Asteraceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

442160. K792-002. Collected October 12, 1979. Slopes of Cerro La Silla near Monterrey, Nuevo Leon. Plants to 50cm tall. Leaves unevenly toothed, lightly pubescent, opposite. Flowers compound, 18 to 25mm diam., axillary and terminal. Ray flowers bright yellow, 4 x 10mm. Wild. Seed.

442161. K792-125. Collected October 15, 1979. Tampico, Tamaulipas. Plants low. Flowers yellow. Potential as bedding annual. Wild. Seed.

442162. K792-137. Collected October 24, 1979. Km 29, Queretaro-Celaya Road in Guanajuato. Plants low. Flowers conspicuous, rayless, golden, small, 8mm diam. Local name coronilla. Wild. Seed.

442163. K792-147. Collected October 25, 1979. Outside Salvatierra, Municipio Salvatierra, Guanajuato. Plants small, to 15cm high. Flowers bright yellow, to 1.5cm diam. Local name Hierba amarilla. Wild. Seed.

442164. K792-160. Collected October 25, 1979. Cornfield, Km 37.5 from Queretaro on Pan Am. Hwy., old rd. to Celaya, Gto. Plants to 40cm tall, vigorous. Flowers compound, deep

442160 TO 442167-continued

yellow, 1.5cm diam., occur singly. Seeds thick, wedge-shaped. Wild. Seed.

442165. K792-161. Collected October 26, 1979. Cornfield, Km 25, Acambao-Salvatierra Rd. near Aminguaro, Guanajuato. Plants to 25cm tall. Flowers yellow, cone-shaped centers, 1.5cm diam., occur singly. Annual. Wild. Seed.

442166. K792-163. Collected October 26, 1979. Cornfield, Km 25, Acambao-Salvatierra Rd., Mun. Salvatierra, Guanajuato. Plants tall, to 1 m. Flowers yellow, 1.75cm to 2cm diam., numerous. Annual. Wild. Seed.

442167. K792-305. Collected November 01, 1979. Road side near San Antonio Atzitzintla, Veracruz. Plants low. Flowers compound with 5 ray flowers, deep yellow, about 2cm diam. Drought tolerant. Local name Patrullo. Wild. Seed.

442168. *Brunfelsia* sp. (Solanaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

K792-123. Collected October 15, 1979. Tampico, Tamaulipas, in vacant lot facing Hidalgo Street. Plants low. Potential as flowering ornamental. Wild. Seed.

442169 TO 442172. *Catharanthus roseus* (L.) G. Don (Apocynaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

442169. K792-295. Collected November 02, 1979. Grounds of Kamico Motel, Tapachula, Chiapas. Plants to 40cm tall. Flowers rose-colored, 3.5cm diam., numerous. For chemurgic research. Local name Nimfa. Cultivated. Seed.

442170. K792-307. Collected November 02, 1979. Tepetate, Municipio de Paseo de Ovejas, Veracruz. Plants weedy, ornamental. Flowers pink. May have medicinal uses. Local name Nimfa. Cultivated. Seed.

442171. K792-308. Collected November 02, 1979. Home of P. Garcia Galan, Puente Nacional, Mun. de Puente Nacional, Veracruz. Plants ornamental. May have medicinal uses. Local name

442169 TO 442172-continued

Nimfa. Cultivated. Seed.

442172. K792-309. Collected November 09, 1979. Rancho El Palmar, Zacatecas. Plants to 30cm tall. Flowers pink, centers deep pink. May have medicinal uses. Local name Nimfa. Cultivated. Seed.

442173. *Celtis* sp. (Ulmaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

K792-142. Collected October 24, 1979. Guanajuato, Pan American Hwy. at Km 14.5. Shrub, thorny. Fruit small, deep yellow, sweet with one large seed. Heat, cold, drought tolerant. Local name Granjeno. Perennial woody. Wild. Seed.

442174. *Cosmos* sp. (Asteraceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

K792-128. Collected October 18, 1979. Carretera 70 between Ciudad Valles and Rio Verde, San Luis Potosi. Plants to 50cm tall. Flowers orange, 3cm diam. Wild. Seed.

442175. *Crataegus mexicana* Moc. & Sesse (Rosaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

K792-271. Collected November 10, 1979. Roadside market, near Puente Buenos Aire, Durango. High altitude sites. Shrub to tree, moderate size. Fruit small, yellow, apple-like. Local name Manzanilla. Tree. Wild. Seed.

442176. *Cucumis anguria* L. (Cucurbitaceae) West indian gherkin.

From Mexico. Collected by R.J. Knight and T.W. Whitaker,

442176-continued

Subtropical Horticulture Research Unit & Imperial Valley
Conservation Research Center, USDA, Miami, Florida and
Brawley, California.
Received November 1979.

K792-186. Collected October 31, 1979. Cornfield, Cerro
Alto, Mun. Cuitlauhuac, Veracruz, Carretera 150. Vine,
small. Stems slender. Fruit light green, covered with
tuberculate spines, 4cm long, 2.5cm diam. Placenta solid.
Peduncle long, 6cm. Wild. Seed.

442177. *Cucumis melo* L. (Cucurbitaceae) Muskmelon.

From Mexico. Collected by R.J. Knight and T.W. Whitaker,
Subtropical Horticulture Research Unit & Imperial Valley
Conservation Research Center, USDA, Miami, Florida and
Brawley, California.
Received November 1979.

K792-275. Collected November 17, 1979. Market,
Tapachula, Chiapas. Reportedly grown near Tuxtla Chico.
Fruits smooth, deep orange, elongate-round, 17.8cm long,
15.8cm diam. Flesh firm, melon-colored, strong aroma and
flavor, not very sweet. Local name Melon criollo.
Cultivated. Seed.

442178 TO 442179. *Cucumis melo* var. *dudaim* (L.) Naud. (Cucurbitaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker,
Subtropical Horticulture Research Unit & Imperial Valley
Conservation Research Center, USDA, Miami, Florida and
Brawley, California.
Received November 1979.

442178. K792-035. Collected October 16, 1979. Field near Caves
of Ocampo, Tamaulipas State. Vine, weedy, small. Fruits
nearly round, deep yellow with faded green stripes,
flavor bland, not bitter, 3.8cm long, 3.2cm diam. Local
name Calabezita silvestre. Possible source of powdery
mildew resistance. Wild. Seed.

442179. K792-264. Collected November 11, 1979. Vacant lot along
coast, Mazatlan, Sinaloa. Vine, weedy, small. Fruits
green with darker green stripes, golden yellow at
maturity, round-ovate, 4cm long, 3.5cm diam. Peduncle
abscised at maturity. Local name Calabacilla silvestre.
Wild. Seed.

442180 TO 442190. *Cucurbita ficifolia* Bouche (Cucurbitaceae) Figleaf

442180 TO 442190-continued
gourd.

From Mexico. Collected by R.J. Knight and T.W. Whitaker,
Subtropical Horticulture Research Unit & Imperial Valley
Conservation Research Center, USDA, Miami, Florida and
Brawley, California.
Received November 1979.

442180. K792-074. Collected October 25, 1979. Malpais, Mun.
Valle de Santiago, Guanajuato. Fruits large, round, green
mottled and streaked with lighter green, 27cm long, 24cm
diam. Flesh pure white. Rind 3mm thick. Seeds black.
Local name Chilacayote. Cultivated. Seed.
442181. K792-209. Collected November 01, 1979. Roadside garden,
Guadalupe-Magallanes, Mun. de Maltrata, Veracruz. 2160m.
Plants vigorous, climbing. Leaves fig-like. Fruits
flattened-cylindrical, cream-colored, 23cm long, 21cm
diam. Seeds black and mottled. Local name Chilacayote.
Cultivated. Seed.
442182. K792-210. Collected November 01, 1979. Puebla Highway,
Puebla. Local name chilacayote. Wild. Seed.
442183. K792-211. Collected November 01, 1979. Home of C.
Corona, San Antonio Atzintzintla, Puebla. 2568m. Vine,
vigorous. Fruits dark green, light-green mottling,
cylindrical, 26cm long, 20cm diam. Seeds cream-colored.
Local name Chilacayote. Cultivated. Seed.
442184. K792-228. Collected November 01, 1979. Garden,
Guadalupe-Magallanes, Mun. Maltrata, Veracruz. Fruits
white, round-cylindrical, 21cm long, 18cm diam. Seeds
mottled, mostly immature. Local name Chilacayote.
Cultivated. Seed.
442185. K792-230. Collected November 01, 1979. San Antonio
Atzintzintla, Veracruz. Obtained from V. Corona. Fruits
mottled dark green, watermelon-like color, elongate-oval,
24cm long, 19cm diam. Seeds black. Local name Chilacayote.
Cultivated. Seed.
442186. K792-234. Collected November 07, 1979. Vista Hermosa del
Carmen, Mun. Zacapu, Michoacan. Seeds cream-colored.
Local name Chilacayote. Cultivated. Seed.
442187. K792-236. Collected November 07, 1979. Pueblo Viejo,
Michoacan, between Tuxtla and Morelia. Obtained from A.
Medina. Fruits large, round-cylindrical like watermelon,
solid white. Seeds black. Local name Chilacayote.
Cultivated. Seed.
442188. K792-237. Collected November 07, 1979. Pueblo Viejo,
Michoacan, between Tuxtla and Morelia. Obtained from A.

442180 TO 442190-continued

Medina. Seeds cream-colored. Local name Chilacayote. Cultivated. Seed.

442189. K792-255. Collected November 06, 1979. Carretera 117, 4km northeast of Tlaxcala. Obtained from A. Vasquez. Fruits round-cylindric, cream-colored. Seeds black. Local name Chilacayote. Cultivated. Seed.
442190. K792-297. Collected November 18, 1979. San Jose Ixtapec, Municipio de Motozintla, Chiapas. 1200m. Vines. Fruits mottled yellow and reddish, or red and maroon, or solid white, long, cylindrical. Flesh white. Seeds cream. Cultivated. Seed.

442191 TO 442203. *Cucurbita foetidissima* H.B.K. (Cucurbitaceae)
Buffalo gourd.

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

442191. K792-005. Collected October 13, 1979. Santa Catarina, N.L., on Monterrey-Salttillo Hwy. Vines, disease and pest free. Pulp reportedly used as clothes detergent. Local name Calabasa. Wild. Seed.
442192. K792-006. Collected October 13, 1979. Traffic island of Monterrey-Salttillo Hwy., Monterrey, N.L. outskirts. Vines, disease and pest free. Pulp reportedly used as clothes detergent. Local name Calabaza silvestre. Wild. Seed.
442193. K792-203. Collected October 22, 1979. Carratera 57, near Soledad Diez Gutierrez, 2.5km N of traffic circle. Fruits round, hard-shelled, dark green with light green stripes, light green at maturity, 6cm long, 6cm diam. Local name Calabacilla silvestre. Wild. Seed.
442194. K792-204. Collected October 22, 1979. Carratera 57, near Soledad Diez Gutierrez, 2.5km N of traffic circle. Fruits round, light yellow with yellowish-white stripes at maturity, small, 4.6 cm long, 4.6cm diam. Local name Calabacilla silvestre. Wild. Seed.
442195. K792-205. Collected October 23, 1979. Cornfield near San Bartolo de Berria, Guanajuato. Vines, small. Fruits light green with whitish stripes, round, 6cm long, 6cm diam. Local name Calabacilla silvestre. Wild. Seed.
442196. K792-206. Collected October 22, 1979. Desert, Hwy 57,

442191 TO 442203-continued

38km S of Carreteras 57 & 80 jct, Km 79, San Luis Potosi. Fruits white, green stripes, fading to yellow, round, 6cm long, 6cm diam. Local name Calabacilla silvestre. Wild. Seed.

442197. K792-207. Collected October 22, 1979. Desert, Carretera 57, 51km N of San Luis Potosi traffic circle. Leaves hastate, unlobed. Fruits white, green stripes fading to yellow at maturity, oval, 6cm long, 5cm diam. Local name Calabacilla silvestre. Wild. Seed.
442198. K792-208. Collected October 24, 1979. Field, Equidc Potrero El Pitayo, Km 26, Pan Am. Hwy., Guanajuato. Fruits dark green with light-green stripes, round, 5cm long, 4.5cm diam. Local name Calabacilla silvestre. Wild. Seed.
442199. K792-256. Collected November 09, 1979. Dry gully, Km 9 north of Zacatecas on Carretera 45, Zacatecas. Leaves very large, hastate, unlobed. Fruits cream with green stripes fading to yellowish-cream when mature, round-pyriform, 7cm long, 7.3cm diam. Leaves and fruit have fetid odor. Wild. Seed.
442200. K792-257. Collected November 09, 1979. Dry area, Jarillas, Carretera 45 about 10km south of Fresnillo, Zacatecas. Leaves slightly lobed. Fruits cream, green striped, turning creamy-yellow when mature, flattened-globose, 7cm long, 7.2cm diam. Local name Calabacilla silvestretre. Wild. Seed.
442201. K792-261. Collected November 09, 1979. Roadside, La Parada, Km 192, Carretera 45, Durango. Leaves slightly lobed. Fruits green, light-green stripes turning yellow at maturity, round-flattened, 5.5cm long, 6.5cm diam. Pronounced ammonia odor but not fetid. Wild. Seed.
442202. K792-262. Collected November 09, 1979. Km 134, Fresnillo-Durango Hwy. before Sombrerete, Zacatecas. Leaves slightly lobed. Fruits green, whitish stripe turning deep yellow at maturity, round 6cm long, 5.5cm diam. Wild. Seed.
442203. K792-263. Collected November 08, 1979. Roadside, Felipe Angeles, Zacatecas. Southern most site for this species in Zacateras. Leaves hastate, unlobed. Fruits dark green with light green stripes, turning yellowish at maturity, pyriform, 6cm long, 5cm diam. Local name Calatacilla. Wild. Seed.

442204 TO 442205. Cucurbita martinezii L. H. Bailey (Cucurbitaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker,

442204 TO 442205-continued

Subtropical Horticulture Research Unit & Imperial Valley
Conservation Research Center, USDA, Miami, Florida and
Brawley, California.

Received November 1979.

442204. K792-175. Collected October 31, 1979. Villa Union, Veracruz, near Fortin de las Flores. Vines. Leaves slightly lobed, palmate. Fruits green, to almost white at maturity, 8cm long, 7.5cm diam. Seeds obovate, base acute, long, gray, to 1.2cm. Local name Calatacilla silvestre. Wild. Seed.

442205. K792-178. Collected November 02, 1979. Carretera 140, 1 km east of Corral Falso, 2km east of Miradoro. 725m. Leaves unlobed, no mildew or virus infection. Fruits green with white spots fading to light green, round, 10cm long, 10.1cm diam. Seeds ovate, base acute, gray, to 1.2cm. Wild. Seed.

442206 TO 442246. Cucurbita mixta Pang. (Cucurbitaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.

Received November 1979.

442206. K792-010. Collected October 14, 1979. Tampico Tamaulipas. Central market. Vines. Seeds mostly silver-seeded gourd type. C. pepo seeds perhaps present. Cultivated. Seed.

442207. K792-015. Collected October 16, 1979. Tanguian, San Luis Potosi. Local name Calabaza. Cultivated. Seed.

442208. K792-016. Collected October 18, 1979. Santa Anita, Municipio de Valles, San Luis Potosi. Local name Calabasa pequena rayada. Cultivated. Seed.

442209. K792-017. Collected October 18, 1979. Santa Anita, Mun. Valles, San Luis Potosi. Local name Calabasa grande. Cultivated. Seed.

442210. K792-019. Collected October 18, 1979. Riveria Farm, Saucito, Municipio Valles, San Luis Potosi. Local name Calabasa. Cultivated. Seed.

442211. K792-021. Collected October 15, 1979. Field at Emiliana Zapata, Municipio de Mante, Tamaulipas. Fruits green-striped, yellow at maturity, semi-pear shape, 16.5cm long, 14cm diam. Seeds similar to silver-seeded gourd. Local name Calabaza. Cultivated. Seed.

442206 TO 442246-continued

442212. K792-022. Collected October 15, 1979. Local grocer, Emiliano Zapata, Municipio Mante, Tamaulipas State. Local name Calabaza. Cultivated. Seed.
442213. K792-023. Collected October 15, 1979. Emiliano Zapata, Municipio Mante, Tamaulipas State. Fruits green-striped, turning yellow, round, 14cm long, 14cm diam. Local name Calabaza. Cultivated. Seed.
442214. K792-024. Collected October 15, 1979. Emiliano Zapata, Municipio Mante, Tamaulipas State. Fruits white, green-striped, slightly oblate, 11cm long, 10cm diam. Local name Calabaza. Cultivated. Seed.
442215. K792-025. Collected October 15, 1979. Emiliano Zapata, Municipio Mante, Tamaulipas State. Fruits white, green-striped turning yellow, oblate, 14.5cm long, 13cm diam. Local name Calabaza. Cultivated. Seed.
442216. K792-028. Collected October 16, 1979. La Puente, near Ocampo, Tamaulipas. Fruits white, green-striped turning yellow, oblate, 13cm long, 14cm diam. Local name Calabaza. Cultivated. Seed.
442217. K792-029. Collected October 16, 1979. La Puente, near Ocampo Cave, Ocampo, Tamaulipas. Fruits white, green to yellow stripes, flattened pyriform, 17cm long, 16.5cm diam. Local name Calabaza. Cultivated. Seed.
442218. K792-030. Collected October 16, 1979. La Puente, near Ocampo Cave, Ocampo, Tamaulipas. Fruits white, green to yellow striped, pear-shaped, 18.5cm long, 14cm diam. Local name Calabaza. Cultivated. Seed.
442219. K792-037. Collected October 18, 1979. S. Rivera's farm, Saucito, Municipio Valles, San Luis Potosi. Fruits white with green to yellow stripes, rounded-pyriform, 16cm long, 16cm diam. Local name Calabaza. Cultivated. Seed.
442220. K792-038. Collected October 18, 1979. S. Rivera's farm, Saucito, Municipio Valles, San Luis Potosi. Fruits white with green to yellow stripes, pear-shaped, 19cm long, 14.5cm diam. Seeds large, margins prominent like Silver Gourd. Local name Calabaza. Cultivated. Seed.
442221. K792-039. Collected October 18, 1979. Rivera Farm, Saucito, Municipio Valles, San Luis Potosi. Fruits white with green to yellow stripes, oblate, 20cm long, 17cm diam. Local name Calabaza. Cultivated. Seed.
442222. K792-041. Collected October 18, 1979. Hwy. 70, Km 186 bet. Ciudad Valles & San Luis Potosi, San Luis Potosi.

442206 TO 442246-continued

- Fruits white, green-mottled, flattened, 15cm long, 20cm diam. Local name Calabazo. Cultivated. Seed.
442223. K792-042. Collected October 18, 1979. Rio Verde, San Luis Potosi. Fruits immature, white, green-striped, pyriform-necked, 18cm long, 16cm diam. Peduncle very long, 12cm. Local name Calabaza. Cultivated. Seed.
442224. K792-043. Collected October 18, 1979. Rio Verde, San Luis Potosi. Fruits immature, light green, dark green stripes, oblate, 11cm long, 10cm diam. Local name Calabaza. Cultivated. Seed.
442225. K792-044. Collected October 18, 1979. Rio Verde, San Luis Potosi. Fruits immature, white, light green stripes, pyriform-necked, 16.5cm long, 12cm diam. Peduncle atypical. Local name Calabaza. Cultivated. Seed.
442226. K792-047. Collected October 18, 1979. G. Angeles' farm, El Saucito, Municipio Valles, San Luis Potosi. Fruits white, green-striped, pyriform-necked, 19cm long, 14cm diam. Local name Calabaza. Cultivated. Seed.
442227. K792-048. Collected October 18, 1979. J. Castro Castillo's field, Saucito, Municipio Valles, San Luis Potosi. Fruits immature, white, green-striped, bell-shaped, 26cm long, 13cm diam. Local name Calabaza. Cultivated. Seed.
442228. K792-049. Collected October 18, 1979. J. Castro Castillo's field, Saucito, Municipio Valles, San Luis Potosi. Fruits immature, dark green turning orange at maturity, round, 20cm long, 22cm diam. Local name Calabaza. Cultivated. Seed.
442229. K792-050. Collected October 18, 1979. J. Castro Castillo's field, Saucito, Municipio Valles, San Luis Potosi. Fruits immature, tan lightly streaked with green, round, 18cm long, 19cm diam. Local name Calabaza. Cultivated. Seed.
442230. K792-051. Collected October 18, 1979. J. Castro Castillo's field, Saucito, Municipio Valles, San Luis Potosi. Fruits white, green-striped turning orange at maturity, flattened sphere, 10cm long, 17cm diam. Cultivated. Seed.
442231. K792-052. Collected October 18, 1979. J. Castro Castillo's field, Saucito, Municipio Valles, San Luis Potosi. Fruits white, heavily green-striped, round, 17cm long, 21cm diam. Local name Calabaza. Cultivated. Seed.
442232. K792-053. Collected October 18, 1979. J. Castro

442206 TO 442246-continued

- Castillo's field, Saucito, Municipio Valles, San Luis Potosi. Fruits light green, green-striped, pyriform, 20cm long, 16cm diam. Peduncle small, chlorophyll pigmented. Local name Calabaza. Cultivated. Seed.
442233. K792-054. Collected October 18, 1979. J. Castro Castillo's field, Saucito, Municipio Valles, San Luis Potosi. Fruits tan, green-striped, pebbly surface, rounded-pyriform, 18cm long, 22cm diam. Peduncle pigmented. Local name Calabaza. Cultivated. Seed.
442234. K792-055. Collected October 21, 1979. Market, San Luis Potosi. Seeds eaten, called Pepita. Local name Calabaza. Cultivated. Seed.
442235. K792-105. Collected October 25, 1979. Malpais, Municipio Valle de Santiago, Guanajuato. Local name Sopona. Cultivated. Seed.
442236. K792-174. Collected October 31, 1979. Public market, Cordoba, Veracruz State. Seeds similar to silver-seeded gourd. Local name Calabaza. Cultivated. Seed.
442237. K792-185. Collected October 31, 1979. Cerro Alto, Municipio de la Ciudad de Cuitlahuac, Veracruz. Local name Pipian. Cultivated. Seed.
442238. K792-191. Collected October 31, 1979. La Gloria, Municipio Cuitlahuac, Veracruz, on Carretera 150. Fruits light green, dark green-striped, turban-shaped, 11cm long, 12cm diam. Local name Pipian. Cultivated. Seed.
442239. K792-192. Collected November 02, 1979. F. Rodriguez Vargas' farm, Puente Nacional, Mun. Fuente Nacional, Veracruz. Fruits white, dark green-striped, rounded, 17cm long, 17cm diam. Local name Pipian. Cultivated. Seed.
442240. K792-239. Collected November 10, 1979. P. Hernandez Sarabia's field, Magistral, Mun. La Guasima Concordia, Sinaloa. Local name Tecomata. Cultivated. Seed.
442241. K792-240. Collected November 08, 1979. A. Hereda's field, Carretera 54, Santa Teresa, Zacateras. Fruits greenish, white and darker-green stripes, flattened round, 19cm long, 24 cm diam. Local name Calabaza. Cultivated. Seed.
442242. K792-241. Collected November 08, 1979. A. Hereda's field, Carretera 54, Santa Teresa, Zacatecas. Fruits dark green, darker green stripes, bell-shaped, 25cm long, 22cm diam. Peduncle huge, enlarged by cork. Local name Calabaza. Cultivated. Seed.

442206 TO 442246-continued

442243. K792-242. Collected November 10, 1979. Field, Magistral, Mun. La Guasima Concordia by Carretera 40, Sinaloa. Fruits solid dark green, small, bell-shaped, 17cm long, 16cm diam. Local name Tecomata. Cultivated. Seed.
442244. K792-249. Collected November 08, 1979. Palmitas, Municipio de Cuquillo, off Carretera 54, Zacatecas. Obtained from J. Palafozo Hernandez. Site very dry. Fruits white, green striped, round-flattened, 12cm long, 17cm diam. Local name Calabaza. Cultivated. Seed.
442245. K792-252. Collected November 08, 1979. Palmitas, Municipio de Cuquillo, off Carretera 54, Zacatecas. Obtained from J. Palafozo Hernandez. Fruits solid dark green, round-flattened, 14cm long, 19cm diam. Local name Calabaza. Cultivated. Seed.
442246. K792-254. Collected November 10, 1979. Field, Magistral, Mun. la Guasima Concordia, by Carretera 40, Sinaloa. Fruits white, light green striped, yellow at maturity, turban-shaped, 9cm long, 10cm diam. Local name Tecomata. Cultivated. Seed.

442247 TO 442289. Cucurbita moschata (Duch.) Duch. ex Poir.
(Cucurbitaceae) Squash.

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.

Received November 1979.

442247. K792-011. Collected October 14, 1979. Tampico, Tamaulipas. Market. Vines. Fruits light tan, slightly green mottled, 16cm long, 18cm diam. Local name Calabasa. Cultivated. Seed.
442248. K792-012. Collected October 14, 1979. Tampico, Tamaulipas. Market. Fruits dark green, tan markings, bell-shaped, 15cm long, 18cm diam. Local name Calabasa. Cultivated. Seed.
442249. K792-013. Collected October 16, 1979. Ciudad Santos, San Luis Potosi. Local name Calabaza. Cultivated. Seed.
442250. K792-014. Collected October 16, 1979. Ciudad Santos, San Luis Potosi. Local name Calabaza. Cultivated. Seed.
442251. K792-018. Collected October 18, 1979. Saucito, Municipio Valles, San Luis Potosi. Rivera farm. Local name Calabaza. Cultivated. Seed.

442247 TO 442289-continued

442252. K792-026. Collected October 15, 1979. One hundred km north of Tamaulipas-San Luis Potosi border. Fruits tan, pear-shaped, 28cm long, 15cm diam., cracks horizontally at maturity. Local name Calabaza. Cultivated. Seed.
442253. K792-027. Collected October 15, 1979. Lleron, Tamaulipas. Fruits spheroid, tapering toward top and bottom, 21cm long, 19cm diam. Local name Calabaza. Cultivated. Seed.
442254. K792-032. Collected October 17, 1979. Hwy 85, Aguismon, San Luis Potosi, between C. Mante and C. de Valles. Fruits dark green, light green striped, slightly bell-shaped, 25.5cm long, 16 cm diam. Local name Calabaza. Cultivated. Seed.
442255. K792-033. Collected October 17, 1979. Hwy 85, Aguismon, San Luis Potosi, between C. Mante and C. de Valles. Fruits tan, green striped, oblong, 22cm long, 15cm diam. Local name Calabaza. Cultivated. Seed.
442256. K792-034. Collected October 17, 1979. Hwy 85, Aguismon, San Luis Potosi, between C. Mante and C. de Valles. Fruits tan, green striped with prominent vein tracks, oblong, 20cm long, 15cm diam. Local name Calabaza. Cultivated. Seed.
442257. K792-036. Collected October 18, 1979. Saucito, Municipio Valles, San Luis Potosi. Rivera farm. Fruits dark green, splotchy yellow at maturity, slight bloom, surface slightly lumpy, pear-shaped, 23cm long, 24cm diam. Local name Calabaza. Cultivated. Seed.
442258. K792-045. Collected October 18, 1979. Nogales, Carretera Valles-Rio Verde, Municipio Rayon, San Luis Potosi. Fruits dark green, tan-striped, turban-shaped, 11cm long, 18cm diam. Local name Calabaza. Cultivated. Seed.
442259. K792-068. Collected October 25, 1979. Panales, Municipio de Tarimoro, Guanajuato. F. Alvarez farm. Fruits light green, white streaked, lemon yellow at maturity, round, 23cm long, 24cm diam. Rind lemon yellow, 1 mm thick. Local name Calabaza de Castilla. Cultivated. Seed.
442260. K792-069. Collected October 25, 1979. Panales, Municipio de Tarimoro, Guanajuato. F. Alvarez farm. Fruits dark green, tan to maturity, inverted bell-shape, 30cm long, 23cm diam. Rind 1 mm thick. Flesh lemon yellow. Local name Calabaza de Castilla. Cultivated. Seed.
442261. K792-072. Collected October 25, 1979. Prolongacion de Allende, 504, Celaya, Guanajuato. L. Chavez O. farm. Fruits tan streaked green, deep irregular vein tracks,

442247 TO 442289-continued

- large irregular shape. Local name Calabaza de Castilla. Cultivated. Seed.
442262. K792-073. Collected October 25, 1979. Km 29, Pan American Hwy., Apaseo El Alto, Guanajuato. Fruits tan, large, oblong, slightly bell-shaped, 40cm long, 26cm diam. Rind 2mm thick. Flesh deep orange. Local name Calabaza de Castilla. Cultivated. Seed.
442263. K792-087. Collected October 25, 1979. Salvatierra outskirts, Mun. Salvatierra, Guanajuato. Estrada farm. Fruits green, light green striped, yellow at maturity, pyriform with pronounced neck, 23cm long, 15cm diam. Rind 1 mm thick. Flesh lemon yellow. Local name Calabaza de Castilla. Cultivated. Seed.
442264. K792-088. Collected October 25, 1979. Salvatierra outskirts, Mun. Salvatierra, Guanajuato. Estrada farm. Fruits tan, pyriform, 25cm long, 22cm diam. Rind 0.5mm thick. Placenta deep orange. Flesh lemon yellow. Local name Calabaza de Castilla. Cultivated. Seed.
442265. K792-094. Collected October 25, 1979. L. Chavez Ontiveros' field, Prolongacion de Allende, 504, Celaya, Guanajuato. Fruits green with white stripes, bell-shaped, 21cm long, 17.5cm diam. Local name Calabaza de Castilla. Cultivated. Seed.
442266. K792-104. Collected October 25, 1979. Dump, Salvatierra, Municipio de Salvatierra, Guanajuato. Fruits light green, white mottling, long, cylindrical, 50cm long, 16cm diam. Local name Calabaza de Castilla. Wild. Seed.
442267. K792-106. Collected October 25, 1979. Malpais, Municipio Valle de Santiago, Guanajuato. Local name Calabaza de Castilla. Cultivated. Seed.
442268. K792-172. Collected October 31, 1979. Cordoba, Veracruz state. Public market. Seed large. Local name Calabaza de Castilla. Cultivated. Seed.
442269. K792-173. Collected October 31, 1979. Cordoba, Veracruz state. Public market. Seeds small. Local name Calabaza de Castilla. Cultivated. Seed.
442270. K792-187. Collected October 31, 1979. Carretera 150, La Gloria, Municipio Cuitlahuac, Veracruz. Fruits dark green, light green spots, round-flattened, 14cm long, 20cm diam. Cultivated. Seed.
442271. K792-193. Collected November 02, 1979. Carretera 140, Rinconada, Mun. Rinconada, Veracruz. Fruits light green, tan mottling, turban-shaped, 16cm long, 25cm diam. Local

442247 TO 442289-continued

- name Calabaza. Cultivated. Seed.
442272. K792-194. Collected November 02, 1979. Near Puente Nacional, Mun. Puente Nacional, Ver. F. Rodriguez Vargas farm. Fruits light green, tan mottling, turban-shaped, 23cm long, 22cm diam. Local name Calabaza canotuda. Cultivated. Seed.
442273. K792-195. Collected November 02, 1979. Carretera 140, Colome, Municipio de Colome, Veracruz. Fruits green, light green striped, turban-shaped, 16cm long, 20cm diam. Cultivated. Seed.
442274. K792-196. Collected October 31, 1979. Fortin de las Flores, Veracruz. Garden by railroad near hotel. Fruits tan, flattened-round, warty, 14cm long, 19cm diam. Primitive type. Cultivated. Seed.
442275. K792-197. Collected October 31, 1979. Km 35, Municipio Cuitlahuac, Carretera 150, Veracruz. Fruits mottled green and tan, heavy bloom, top-shaped, 21cm long, 15cm diam. Cultivated. Seed.
442276. K792-198. Collected October 31, 1979. Carro Alto, Municipio de la Ciudad de Cuitlahuac, Veracruz. Fruits light green, tan mottled, flattened-round, slightly warty, 12cm long, 25 cm diam. Primitive type. Local name Calabaza. Cultivated. Seed.
442277. K792-199. Collected November 02, 1979. Tepetates, Veracruz. Fruits tan, turban-shaped, 12cm long, 19cm diam. Local name Calabaza. Cultivated. Seed.
442278. K792-200. Collected October 31, 1979. Carretera 150, La Esperanza turnoff, between Paso El Toro & Mangal, Veracruz. Fruits dark tan, black mottling, slight bloom, turban-shaped, 12cm long, 14cm diam. Local name Calabaza. Cultivated. Seed.
442279. K792-201. Collected October 31, 1979. Carretera 150, La Esperanza turnoff, between Paso El Toro & Mangal, Veracruz. Fruits dark green, tannish mottling, heavy bloom, slightly warted, flattened-round, small, 7cm long, 15cm diam. Local name Calabaza. Cultivated. Seed.
442280. K792-202. Collected October 31, 1979. Km 35, Carretera 150, Municipio Cuitlahuac, Veracruz. Fruits tan, dark green mottling, slight bloom, Canadian Crookneck shape, 31cm long, 13cm diam. Cultivated. Seed.
442281. K792-246. Collected November 08, 1979. Very dry area, Carretera 54, Palmitas, Municipio Cuquillo, Zacatecas. Obtained from P. Aguayo. Cultivated. Seed.

442247 TO 442289-continued

442282. K792-276. Collected November 17, 1979. Tapachula, Chiapas. Public market. Fruits yellowish-tan, dark green mottling, tan mottling when mature, large, flat pumpkin-shaped, 15.5cm long, 25.4cm diam. Local name Calabaza criolla. Cultivated. Seed.
442283. K792-277. Collected November 17, 1979. Tapachula, Chiapas. Public market. Fruits tan, dark green mottling, tan mottling at maturity, turban-shaped, 15.8 long, 20cm diam. Local name Calabaza criolla. Cultivated. Seed.
442284. K792-278. Collected November 17, 1979. Tapachula, Chiapas. Public market. Fruits dark tan, ovate, 20cm long, 18.4cm diam. Local name Calabaza criolla. Cultivated. Seed.
442285. K792-279. Collected November 17, 1979. Tapachula, Chiapas. Public market. Fruits tan, dark-tan mottled, necked pyriform, 15.4cm long, 15cm diam. Local name Calabaza criolla. Cultivated. Seed.
442286. K792-280. Collected November 17, 1979. Tapachula, Chiapas. Public market. Fruits dark orange, dark green and tan mottled, bell-shaped, 16.7cm long, 13.2 cm diam. Local name Calabaza criolla. Cultivated. Seed.
442287. K792-281. Collected November 17, 1979. Tapachula, Chiapas. Public market. Fruits deep orange, elongate, 32cm long, 12cm diam. Placenta greenish-brown. Flesh deep orange. Local name Calabaza criolla. Cultivated. Seed.
442288. K792-282. Collected November 17, 1979. D. Moises ranch, 17km west of Tapachula, Mun. de Tapachula, Chiapas. Fruits tan, dark green and tan mottled, turban-shaped, 15cm long, 22.7cm diam. Placenta brown. Flesh greenish. Local name Calabaza criolla. Cultivated. Seed.
442289. K792-283. Collected November 17, 1979. Tapachula, Chiapas. Public market. Cultivated. Seed.

442290. *Cucurbita pedatifolia* Bailey (Cucurbitaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

K792-062. Collected October 23, 1979. Calle 20 Noviembre, Laguna San Vicente, San Luis Potosi. Leaves deeply lobed. Fruits dark green, white stripes, round-

442290-continued

flattened, 6cm long, 8cm diam. Local name Calabacilla silvestre. Cultivated. Seed.

442291 TO 442340. Cucurbita pepo L. (Cucurbitaceae) Pumpkin.

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.

Received November 1979.

442291. K792-060. Collected October 22, 1979. Villa Hidalgo, San Luis Potosi. Market. Desert area. Local name Calabaza. Cultivated. Seed.
442292. K792-064. Collected October 23, 1979. Km 28.5, San Luis Potosi-Queretaro Hwy., Zona Industrial, San Luis Potosi. Field west of pump 6, irrigated. Primitive plant. Local name Calabaza de India. Cultivated. Seed.
442293. K792-070. Collected October 23, 1979. Cultivated field, Laguna San Vicente, San Luis Potosi. Fruits green, light green spotted, cylindrical, 26cm long, 19cm diam. Rind 1 mm thick. Flesh yellowish-white. Local name Calabaza de India. Cultivated. Seed.
442294. K792-071. Collected October 24, 1979. Egido la Purisima, 37.5km from Queretaro on road to Celaya, Guanajuato. Cultivated field. Fruits dark green, light green stripes, cylindrical, 26cm long, 13cm diam. Local name Calabasa de India. Cultivated. Seed.
442295. K792-075. Collected October 23, 1979. San Bartolo de Berria, Guanajuato State. Fruits green, light green mottled, round-flattened shape, 12cm long, 19cm diam. Rind 2mm thick. Flesh lemon yellow. Local name Calabaza de India. Cultivated. Seed.
442296. K792-076. Collected October 23, 1979. San Bartolo de Berria, Guanajuato State. Fruits light green, white spots, yellow at maturity, round-cylindrical, 18cm long, 13cm diam. Rind 2mm thick. Flesh lemon yellow. Local name Calabaza de India. Cultivated. Seed.
442297. K792-077. Collected October 23, 1979. San Bartolo de Berria, Guanajuato State. Fruits cream-white, mottled dark green stripes, round, 20cm long, 19cm diam. Rind 2mm thick. Locules separate. Flesh lemon yellow. Local name Calabaza de India. Cultivated. Seed.
442298. K792-078. Collected October 23, 1979. San Bartolo de Berria, Guanajuato State. Fruits solid white, round-

442291 TO 442340-continued

- flattened, 16cm long, 20cm diam. Flesh lemon yellow. Center hollow, triangular. Seeds frequently sterile or germinating prematurely. Local name Calabaza de India. Cultivated. Seed.
442299. K792-079. Collected October 25, 1979. Santiago Maravatio, Municipio Santiago Maravatio, Guanajuato. Fruits yellowish, dark green stripes, turban-shaped, 20cm long, 17cm diam. Rind 4mm thick. Flesh orange-yellow. Strong pumpkin odor. Local name Calabaza de India. Cultivated. Seed.
442300. K792-080. Collected October 25, 1979. Santiago Maravatio, Municipio Santiago Maravatio, Guanajuato. Fruits light green, dark green stripes, lemon yellow at maturity, round-elongate, 19cm long, 8cm diam. Rind 4mm thick. Flesh lemon yellow. Unpleasant aroma. Local name Calabaza de India. Cultivated. Seed.
442301. K792-081. Collected October 25, 1979. Santiago Maravatio, Municipio Santiago Maravatio, Guanajuato. Fruits light green, cream at maturity, round, 14cm long, 15cm diam. Rind 3mm thick. Flesh lemon yellow. Seeds frequently sterile. Primitive type. Local name Calabaza de India. Cultivated. Seed.
442302. K792-082. Collected October 24, 1979. Queretaro Unit, Inst. Tecnológico de Monterrey, Ajuchtlancito, Queretaro. Cornfield by front gate. Fruits light green, dark green stripes, cylindrical, 20cm long, 14cm diam. Rind 2mm thick. Flesh lemon-yellow. Cultivated. Seed.
442303. K792-083. Collected October 24, 1979. Km 5, Queretaro-Amealco Hwy., Mun. San Juan del Rio, Queretaro. Chavero field. Fruits light green, light green stripes, cream at maturity, round, 12cm long, 12cm diam. Rind 4mm thick. Placenta solid. Flesh lemon yellow. Few sound seeds. Local name Calabaza de India. Cultivated. Seed.
442304. K792-084. Collected October 24, 1979. Campo Experimental del Instituto Tecnológico de Monterrey, Unidad Queretaro. Cornfield at front gate. Fruits light green, orange at maturity, almost round, 14cm long, 20cm diam. Rind 1.5mm thick. Flesh lemon yellow. Local name Calabaza de India. Cultivated. Seed.
442305. K792-085. Collected October 24, 1979. Campo Experimental del Instituto Tecnológico de Monterrey, Unidad Queretaro. Cornfield at front gate. Fruits white, round, 13cm long, 10cm diam. Rind 2mm thick. Flesh greenish-white. Local name Calabaza de India. Cultivated. Seed.
442306. K792-086. Collected October 22, 1979. Soledad Diez

442291 TO 442340-continued

- Gutierrez, 2.5km north of circle on Carretera 57. Obtained from J. Marti Galarza. Fruits smooth, greenish, dark green stripes, yellow at maturity, round-oblong, 19cm long, 17cm diam. Rind 2mm. Placenta solid. Flesh orange-yellow. Local name Calabaza de India. Cultivated. Seed.
442307. K792-089. Collected October 23, 1979. San Luis Potosi Industrial area, Km 28.5, Carretera S.L.P.-Queretaro. Field, unirrigated, behind pump 6. Vine. Fruits dark green, probably immature, cylindrical, 19cm long, 16cm diam. Rind 3cm thick. Placenta solid. Flesh lemon-yellow. Seeds immature. Local name Calabaza de India. Cultivated. Seed.
442308. K792-090. Collected October 24, 1979. Near entrance, Campo Expt. de Inst. Tecnico de Monterrey, Unidad Queretara. Fruits green, white spotting, white at maturity, cylindrical, 16cm long, 14cm diam. Local name Calabaza de India. Cultivated. Seed.
442309. K792-091. Collected October 24, 1979. Near entrance, Campo Expt. de Inst. Tecnico de Monterrey, Unidad Queretara. Fruits light green on white background, cylindrical, 15cm long, 14cm diam. Local name Calabaza de India. Cultivated. Seed.
442310. K792-092. Collected October 24, 1979. Near entrance, Campo Expt. de Inst. Tecnico de Monterrey, Unidad Queretara. Fruits light green-mottled, white at maturity, cylindrical, 19cm long, 16cm diam. Local name Calabaza de India. Cultivated. Seed.
442311. K792-093. Collected October 23, 1979. San Bartolo de Berria, Guanajuato. Cornfield near water-pumping station. Cornfield near water-pumping station. Fruits light green-mottled, creamy white at maturity, oval, 30cm long, 17cm diam. Local name Calabaza de India. Cultivated. Seed.
442312. K792-095. Collected October 25, 1979. Cornfield, Km 5, Carretera Romita, Silao, Guanajuato. Fruits light green with dark green stripes, white at maturity, oval, 17cm long, 13cm diam. Local name Calabaza de India. Cultivated. Seed.
442313. K792-096. Collected October 25, 1979. Cornfield, Km 5, Carretera Romita, Silao, Guanajuato. Fruits white with green stripes, creamy white at maturity, flattened-round, 13 cm long, 16cm diam. Local name Calabaza de India. Cultivated. Seed.
442314. K792-097. Collected October 23, 1979. S. Saavedra Ortie's field, Zona Industrial, San Luis Potosi, S.L.P.

442291 TO 442340-continued

- Fruits light green, white spots, short, cylindrical, 17cm long, 16cm diam. Local name Calabaza de India. Cultivated. Seed.
442315. K792-098. Collected October 23, 1979. Field, industrial area, Km 28.5, Carretera San Luis Fotosi-Queretaro. Fruits light green, mottled, cylindrical, 17cm long, 17cm diam. Local name Calabaza de India. Cultivated. Seed.
442316. K792-099. Collected October 23, 1979. S. Saavedra Ortie's field, Zona Industrial, San Luis Potosi, S.I.P. Fruits dark green, some mottling, cylindrical, 24cm long, 15cm diam. Local name Calabaza de India. Cultivated. Seed.
442317. K792-100. Collected October 23, 1979. Field, industrial area, Km 28.5, Carretera San Luis Fotosi-Queretaro. Fruits light green, white mottling, pyriform, 17cm long, 17cm diam. Local name Calabaza de India. Cultivated. Seed.
442318. K792-101. Collected October 23, 1979. Laguna San Vicente, San Luis Potosi. Fruits green, some mottling, round, 13cm long, 13cm diam. Local name Calabaza de India. Cultivated. Seed.
442319. K792-102. Collected October 25, 1979. Km 5, Carretera Romita, Silao, Guanajuato. Fruits green, mottled, cylindrical, 23cm long, 16cm diam. Local name Calabaza de India. Cultivated. Seed.
442320. K792-103. Collected October 25, 1979. Km 5, Carretera Romita, Silao, Guanajuato. Fruits white, green stripes, pyriform-cylindrical, 19cm long, 11cm diam. Local name Calabaza de India. Cultivated. Seed.
442321. K792-188. Collected November 01, 1979. Maltrata, Municipio de Maltrata, Veracruz. Fruits light green, white spots, 17cm long, 13cm diam. Local name Calabaza de manteca. Cultivated. Seed.
442322. K792-189. Collected November 01, 1979. Guadalupe-Magallanes, Municipio de Maltrata, Veracruz. 2160m. Fruits light green, white spots, oval, 18cm long, 14cm diam. Local name Calabaza de manteca. Cultivated. Seed.
442323. K792-190. Collected November 01, 1979. Guadalupe-Magallanes, Municipio de Maltrata, Veracruz. 2160m. Fruits light green, white spots, cylindrical, 19cm long, 13cm diam. Local name Calabaza de manteca. Cultivated. Seed.
442324. K792-215. Collected November 01, 1979. Municipio de Maltrata, Veracruz. Fruits light green, white spots, pyriform, 17cm long, 13cm diam. Local name Calabaza de

442291 TO 442340-continued

- manteca. Cultivated. Seed.
442325. K792-216. Collected November 01, 1979. Municipio de Maltrata, Veracruz. Fruits light green, lighter green mottling, cylindrical, 25cm long, 12cm diam. Local name Calabaza de manteca. Cultivated. Seed.
442326. K792-224. Collected November 08, 1979. Cruz Verde, Municipio de Tabasco, Zacatecas. Obtained from L. Robles. Collection representative of area. Local name Calabaza de castilla. Cultivated. Seed.
442327. K792-225. Collected November 08, 1979. Cruz Verde, Municipio de Tabasco, Zacatecas. Obtained from L. Robles. Collection representative of area. Local name Calabaza de castilla. Cultivated. Seed.
442328. K792-229. Collected November 01, 1979. Carretera Orizaba-Puebla, 1 km from overpass No. 53, Veracruz State. 2460m. Fruits grayish, dark green stripes, small, ovate, 12cm long, 10cm diam. Local name Calabaza. Cultivated. Seed.
442329. K792-231. Collected November 09, 1979. Km 199, Hwy. 45, Durango. Beanfield north of La Parada. Fruits light green, dark green stripes, cream at maturity, ovate, 14cm long, 11 cm diam. Local name Calabaza de Castilla. Cultivated. Seed.
442330. K792-232. Collected November 09, 1979. Km 199, Hwy. 45, Durango. Beanfield north of La Parada. Fruits light green, cream at maturity, round, 18cm long, 17cm diam. Local name Calabaza de Castilla. Cultivated. Seed.
442331. K792-233. Collected November 09, 1979. Km 199, Hwy. 45, Durango. Fruits green, light green stripes, oblong-cylindrical, 18cm long, 15cm diam. Local name Calabaza de Castilla. Cultivated. Seed.
442332. K792-235. Collected November 06, 1979. Four km northeast of Tlaxcala on Carretera 117, Tlaxcala. Obtained from A. Vasquez. Seeds long, slender, margins raised. Local name Calabaza. Cultivated. Seed.
442333. K792-238. Collected November 07, 1979. Pueblo Viejo, Michoacan, between Tuxtla and Morelia, Carretera 51. Obtained from A. Medina. Fruits green, cylindrical. Local name Calabaza. Cultivated. Seed.
442334. K792-243. Collected November 07, 1979. Cornfield, Morelia outskirts, Carretera 51, Michoacan. Fruits light green, white mottling, cream at maturity, elongate-cylindrical, 24cm long, 11cm diam. Local name Calabaza. Cultivated. Seed.

442291 TO 442340-continued

442335. K792-247. Collected November 08, 1979. Palmitas, off Carretera 54, Mun. de Cuquillo, Zacatecas. Site very dry. Obtained from J. Palafozo Hernandez. Fruits with light green mottling, cream at maturity, oblong-cylindrical, 22cm long, 16cm diam. Local name Calabaza. Cultivated. Seed.
442336. K792-248. Collected November 08, 1979. Palmitas, off Carretera 54, Mun. de Cuquillo, Zacatecas. Site very dry. Obtained from J. Palafozo Hernandez. Fruits green, abundant light green mottling, round-ovate, 16cm long, 17cm diam. Local name Calabaza. Cultivated. Seed.
442337. K792-250. Collected November 09, 1979. Carretera 45, 5km N of Carretera 49 junction, Zacatecas. Rancho El Palmar. Obtained from L. Valle Sanchez. Fruits green, dark green striped, cream at maturity, slightly turban-shaped, 17cm long, 18cm diam. Local name Calabaza. Cultivated. Seed.
442338. K792-251. Collected November 09, 1979. Carretera 45, 5km N of Carretera 49 junction, Zacatecas. Rancho El Palmar. Obtained from L. Valle Sanchez. Fruits green, dark green mottling, elongate-cylindrical, 37cm long, 13cm diam. Local name Calabaza. Cultivated. Seed.
442339. K792-266. Collected November 07, 1979. Carretera 15, Vista del Carmen, Municipio Zacapu, Michoacan. Cultivated. Seed.
442340. K792-272. Collected November 14, 1979. Local name Calabaza. Cultivated. Seed.

442341 TO 442359. Cucurbita sp. (Cucurbitaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

442341. K792-063. Collected October 23, 1979. Southern outskirts of Laguna San Vicente, San Luis Potosi. Vines, long tendrils. Leaves unlobed. Fruits dark green, white stripes, round, 6.5cm long, 7.5cm diam. Local name Calabacilla silvestre. Wild. Seed.
442342. K792-067. Collected October 26, 1979. Km 25, Acambaro-Salvatierra Hwy, San Miguel Amingnaro, Salvatierra, Gto. Edge of field. Vines. Leaves 5-lobed, heavily pubescent. Fruits dark green, light green stripes, round to slightly flattened, 5.5cm diam. Wild. Seed.

442341 TO 442359-continued

442343. K792-176. Collected October 31, 1979. La Gloria, Municipio de Cuitlahuac, Veracruz. Leaves extremely deeply lobed. Fruits abundant, apparently from secondary stems in leaf axils, light green, white stripes, yellow at maturity, round, 6.5cm long, 6.5cm diam. Local name Calabazilla loca. Wild. Seed.
442344. K792-179. Collected November 02, 1979. Carretera 140, Puente Nacional, Mun. Puente Nacional, Veracruz. Vine. Leaves palmate, lobed, some powdery mildew and virus infection. Fruits green, light green stripes, round, 7cm long, 7cm diam. Local name Morcheta. Wild. Seed.
442345. K792-180. Collected November 02, 1979. Curva del Burro, Municipio Paso de Oveja, Veracruz. Hillside by road. Leaves palmate, deeply lobed, green, slight spotting, disease-free. Fruits very dark green, white stripes, nearly round, 8.5cm long, 7.5cm diam. Local name Morcheta. Wild. Seed.
442346. K792-181. Collected November 02, 1979. Puente Nacional, Mun. Puente Nacional Veracruz. P. Rodriguez Vargas farm. Leaves deeply lobed. Fruits dark green, white striped, 7cm long, 7cm diam. Disease-free. Local name Morcheta. Wild. Seed.
442347. K792-213. Collected October 31, 1979. Carretera 150, Cerro Alto, Municipio de Cuitlahuac, Veracruz. H. Vasquez field. Fruits dark green, light green stripes, long-round, 6.6cm long, 5.8cm diam. Local name Calabacilla silvestre. Wild. Seed.
442348. K792-258. Collected November 10, 1979. Dry hillside, Km 270, Carretera 40, Municipio Concordia, Sinaloa. Vine. Fruits green-mottled, white streaked, yellow at maturity, necked-pyriform, 10cm long, 8cm diam. Wild. Seed.
442349. K792-259. Collected November 10, 1979. Hwy. 40, Magistral, Municipio La Guasima Concordia, Sinaloa. Fruits green-mottled, white streaked, yellow at maturity, round, 6.5cm long, 6.5cm diam. Local name Sicayota. Wild. Seed.
442350. K792-260. Collected November 10, 1979. Carretera 40, Magistral, Municipio La Guasima-Concordia, Sinaloa. Fruits light green, white stripes, yellow at maturity, ovate, 9cm long, 7cm diam. Local name Sicayota. Wild. Seed.
442351. K792-267. Collected November 10, 1979. Km 246.5, Carretera 40, Sinaloa, Fruits green, light green streaked, yellow at maturity, pyriform, 8.4cm long, 6.5cm

442341 TO 442359-continued

diam. Wild. Seed.

442352. K792-284. Collected November 16, 1979. Carretera 200, Colonia Magisterial, Tapachula outskirts, Chiapas. Fruits creamy white, dark green streaked, lighter at maturity, round, 7.2cm long, 6.7cm diam. Local name Calabaza de caballo. Wild. Seed.
442353. K792-285. Collected November 17, 1979. D. Moises ranch, 17km west of Tapachula, Mun. Tapachula, Chiapas. Vine. Leaves palmate, unlobed. Fruits yellowish-cream, green streaks, round, 7.8cm long, 7.8cm diam. Local name Calabaza de caballo. Wild. Seed.
442354. K792-286. Collected November 17, 1979. West 17km of Tapachula, 5.5km east of Pacific, Mun. Tapachula, Chiapas. Fruits creamy white, green streaked, round, 7.7cm long, 7.8cm diam. Local name Calabaza de caballo. Wild. Seed.
442355. K792-287. Collected November 17, 1979. West 17km of Tapachula, 5.5km east of Pacific, Mun. Tapachula, Chiapas. Rancho Maria Lourdes. Leaves deeply 5-lobed. Fruits creamy, green streaked, round, 7.3cm long, 7.5cm diam. Local name Calabaza de caballo. Wild. Seed.
442356. K792-288. Collected November 17, 1979. Pista San Agustin del Rio, Mun. de Mazatan, Chiapas, 6km from Pacific. Vine. Leaves unlobed. Fruits creamy, green-streaked, lighter at maturity, ovate, 8cm long, 7.2cm diam. Local name Calabaza de caballo. Wild. Seed.
442357. K792-289. Collected November 17, 1979. Pista San Agustin del Rio, Mun. de Mazatan, Chiapas, 6km from Pacific. Fruits creamy, dark green streaked, round, 6.5cm long, 6.3cm diam. Local name Calabaza de caballo. Wild. Seed.
442358. K792-290. Collected November 17, 1979. Canton El Aguacate, Municipio de Mazatan, Chiapas. Leaves unlobed. Fruits large, pear-shaped, 10.7cm long, 7.2cm diam, yellow ring spots, possibly virus, on each. Local name Calabaza de caballo. Wild. Seed.
442359. K792-304. Collected November 07, 1979. Vista Hermosa del Carmen, Municipio de Zacapu, Michoacan. Fruits collected for medicinal use. Local name Calabacilla silvestre. Wild. Seed.

442360 TO 442361. *Dahlia* sp. (Asteraceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and

442360 TO 442361-continued
Brawley, California.
Received November 1979.

442360. K792-298. Collected November 18, 1979. Nueva Esperanza and vicinity, Municipio de Motozintla, Chiapas. Shrub or small tree. Flowers compound, rosy lavender, 7cm diam., appearing in autumn. Local name Dahlia silvestre. Wild. Seed.
442361. K792-306. Collected November 01, 1979. Overpass No. 53, Carretera Orizaba-Puebla, P. Forest edge, cool, dry site. 2460m. Plants low, straggling, to 0.6m tall. Flowers single, rosy-lavender, 7cm diam. Wild. Seed.

442362. *Fragaria vesca* L. (Rosaceae) European strawberry.

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

K792-244. Collected November 10, 1979. Km 129, Carretera 40, Durango. Pine forest. 200m. Plants creeping. Fruits small, 6 to 8mm long, red. Achenes bright yellow. Flesh firm, white, rich-flavor. Probably diploid. Possible source of drought tolerance. Local name Fresa silvestre. Wild. Seed.

442363 TO 442366. *Helianthus* sp. (Asteraceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

442363. K792-167. Collected October 22, 1979. Soledad Diez Gutierrez, San Luis Potosi. Flowers large, yellow. Local name Girasol silvestre. Wild. Seed.
442364. K792-168. Collected October 24, 1979. About 1 km south of Queretaro line near Rancho La Bruja, Guanajuato. Flowers large, yellow. Wild. Seed.
442365. K792-169. Collected October 24, 1979. San Bartolo turnoff, Km 18.5, Pan American Highway. Plants to 1 m tall. Flowers yellow, about 6.5cm diam. Local name Girasol silvestre. Wild. Seed.
442366. K792-301. Collected November 17, 1979. Pista San Agustin

442363 TO 442366-continued

del Rio at Canton del Aguacate, Mun. de Mazatan, Chiapas.
Area hot, humid. Flowers deep yellow, about 6.5cm diam.
Wild. Seed.

442367. *Jacquemontia* sp. (Convolvulaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker,
Subtropical Horticulture Research Unit & Imperial Valley
Conservation Research Center, USDA, Miami, Florida and
Brawley, California.
Received November 1979.

K792-171. Collected October 16, 1979. Highway between
Ciudad Valles and Rio Verde, San Luis Potosi. Plants
small. Flowers dark blue, bell-shaped. Wild. Seed.

442368 TO 442369. *Lagenaria siceraria* (Mol.) Standl. (Cucurbitaceae)
Bottle gourd.

From Mexico. Collected by R.J. Knight and T.W. Whitaker,
Subtropical Horticulture Research Unit & Imperial Valley
Conservation Research Center, USDA, Miami, Florida and
Brawley, California.
Received November 1979.

442368. K792-020. Collected October 18, 1979. Rivera Farm,
Saucito, Municipio de Valles, San Luis Potosi. Fruits
hercules club gourd type, 25cm long, 19cm diam. Local
name Calabaza de agua. Cultivated. Seed.

442369. K792-107. Collected October 25, 1979. Malpais Municipio
Valle de Santiago, Guanajuato. Fruits hercules club gourd
type. Local name Guaje (white flowered gourd). Cultivated.
Seed.

442370. *Melothria* sp. (Cucurbitaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker,
Subtropical Horticulture Research Unit & Imperial Valley
Conservation Research Center, USDA, Miami, Florida and
Brawley, California.
Received November 1979.

K792-183. Collected November 02, 1979. Curva del Burro,
Carretera 140, Municipio de Paso de Oveja, Veracruz.
Vines small. Stems thin. Leaves hastate, slightly lobed.
Fruits light green, mottled, possibly immature, oval, 2cm
long, 1.5cm diam. Wild. Seed.

442371 TO 442374. *Momordica charantia* L. (Cucurbitaceae) Balsam pear.

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.

Received November 1979.

442371. K792-007. Collected October 14, 1979. Tampico outskirts, Hidalgo Avenue, about 0.5km S of Hotel Posada de Tampico. Fruits very small, typical red arils. Wild. Seed.

442372. K792-217. Collected November 02, 1979. Curva del Burro, Carretera 140, Municipio Paso de Oveja, Veracruz. Vine, thin stems. Fruits small. Local name Cundeamor. Wild. Seed.

442373. K792-218. Collected November 02, 1979. F. Sodriguez Vargas farm near Puente Nacional, Mun. Puente Nacional, Ver. Vine. Fruits bright orange, burst open when ripe. Arils orange-red, sweet, eaten by country people. Local name Cundeamor. Wild. Seed.

442374. K792-265. Collected November 12, 1979. Vacant lot by Pacific Ocean, Mazatlan, Sinaloa. Vine, slender stems. Fruits bright orange, top-shaped, slightly warty, 3cm long, 2cm diam., burst open when ripe. Arils red. Local name Cundeamor. Wild. Seed.

442375. *Phlox* sp. (Polemoniaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.

Received November 1979.

K792-001. Collected October 12, 1979. Carro La Silla slopes near Monterrey, Nuevo Leon. Plants to 20cm tall. Leaves simple, alternate, elliptic, pubescent, no distinct petioles. Flowers axillary, 5-lobed, tubes 18-22mm long, reddish-purple. Seeds very small. Wild. Seed.

442376. *Polyclathra cucumerina* Bertol. (Cucurbitaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.

Received November 1979.

K792-291. Collected November 18, 1979. Rancho La Azteca,

442376-continued

Municipio de Motozintla, Chiapas. 700m. Fruits olive-green, small, watermelon-shaped, 6.2cm long, 4.2cm diam. Local name Sandito de Raton. Wild. Seed.

442377. *Proboscidea fragrans* (Lindl.) Decne. (Martyniaceae).

From Mexico. Collected by R.J. Knight and T.W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

K792-113. Collected October 24, 1979. San Bartolo turn-off, Km 18.5, Pan American Hwy., Guanajuato. Leaves palmate, opposite, viscid hairy, ovate to lobed, dark green. Flowers zygomorphic, purple, yellow-markings, strongly fragrant. Fruits scimitar-shaped capsules to 9cm long. Seeds woody, pebble-surfaced, 9 by 7cm. Wild. Seed.

442378 TO 442380. *Prunus persica* (L.) Batsch (Rosaceae) Peach.

From Mexico. Collected by R. J. Knight and T. W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

442378. K792-056. Collected October 16, 1979. Hotel Posada de Tampico, Tampico, Tamaulipas. From Hidalgo State, served in restaurant of hotel. Fruits light yellow, some red blush, small. Flesh white, very firm, difficult to peel, almond-like taste. Seeds large, free-stone. Possible resistance to brown rot and other fungi. Local name Durazno. Cultivated. Seed.

442379. K792-293. Collected November 18, 1979. San Jose Ixtapec, Mun. de Motozintla, Chiapas. 1000m. Flowers pink. Fruits about 4.5cm long, 3.4cm diam. Local name Durazno silvestre. Tree. Cultivated. Seed.

442380. K792-296. Collected November 17, 1979. Tapachula, Chiapas. Public market. Reportedly grown in Mexico State. Fruits light yellow, occasional red blush, small, round. Flesh firm, light yellow, sweet, almond flavor. Seeds small, most clings, some free. Local name Durasno. Cultivated. Seed.

442381 TO 442382. *Psidium guajava* L. (Myrtaceae) Guava.

From Mexico. Collected by R. J. Knight and T. W. Whitaker,

442381 TO 442382-continued

Subtropical Horticulture Research Unit & Imperial Valley
Conservation Research Center, USDA, Miami, Florida and
Brawley, California.
Received November 1979.

442381. K792-057. Collected October 21, 1979. San Luis Potosi,
Public market. Fruits firm, bright yellow, pyriform,
5.6cm long, 4.6cm diam. Flesh white, light aroma. Local
name Guayaba. Cultivated. Seed.

442382. K792-294. Collected November 18, 1979. Coffee
plantation, Barrio de Nueva Esperaneita, Mun. de
Motozintla, Chiapas. 900m. Fruits green, small, round,
3.6cm long, 3.8cm diam. Local name Guayaba. Tree.
Cultivated. Seed.

442383. Sambucus sp. (Caprifoliaceae).

From Mexico. Collected by R. J. Knight and T. W. Whitaker,
Subtropical Horticulture Research Unit & Imperial Valley
Conservation Research Center, USDA, Miami, Florida and
Brawley, California.
Received November 1979.

K792-302. Collected November 18, 1979. Toquian Municipio
de Motozintla, Chiapas. Plant small. Fruits black, small
to 5mm long. Seeds long, pointed, 3 to 5 per berry.
Adapted to cool conditions. Tree. Wild. Seed.

442384 TO 442393. Sanvitalia procumbens Lam. (Asteraceae).

From Mexico. Collected by R. J. Knight and T. W. Whitaker,
Subtropical Horticulture Research Unit & Imperial Valley
Conservation Research Center, USDA, Miami, Florida and
Brawley, California.
Received November 1979.

442384. K792-122. Collected October 22, 1979. Road to Villa de
Reyes, near Laguna San Vicente, San Luis Potosi. Plants
trailing. Flowers simple, yellow, dark centers, sharp
spines at base of each ray petal, 1.7cm diam. Local name
Ojo de gato. Wild. Seed.

442385. K792-145. Collected October 23, 1979. Laguna San
Vicente, San Luis Potosi. Plants low, trailing. Flowers
numerous, compound, yellow, small. Local name Ojo de gato.
Wild. Seed.

442386. K792-146. Collected October 24, 1979. Guanajuato, km
14.5, Pan American Hwy., west side. Plants low, trailing.
Flowers yellow, brown centers, small. Local name Ojo de

442384 TO 442393-continued

- gato. Annual. Wild. Seed.
442387. K792-148. Collected October 25, 1979. Malpais, Mun. Valle de Santiago, Guanajuato. Plants low, trailing. Flowers bright yellow, dark brown centers. Local name Ojo de gata. Annual. Wild. Seed.
442388. K792-149. Collected October 23, 1979. Industrial zone, south of San Luis Potosi, San Luis Potosi State. Plants low, trailing. Flowers yellow, small, typical. Local name Ojo de gato. Annual. Wild. Seed.
442389. K792-155. Collected October 18, 1979. Nogales, Hwy. 70, Municipio Rayon, San Luis Potosi. Plants dwarf, trailing, to 15cm tall. Flowers single, light yellow. Drought tolerant. Wild. Seed.
442390. K792-166. Collected October 22, 1979. Soledad Diez Gutierrez, Rte. 57, 2.5km N of traffic circle toward Saltillo. Plants low, trailing. Flowers simple, yellow. Local name Ojo de gato. Wild. Seed.
442391. K792-223. Collected November 07, 1979. Near Tuxpan Bridge on roadside, Tuxpan, Michoacan. Plants low, spreading. Flowers compound, 1 row of 10 to 12 orange ray flowers, brown centers, 1.25cm diam. Local name Ojo de gato. Wild. Seed.
442392. K792-273. Collected November 02, 1979. Roadside, Rinconada, Municipio de Rinconada, Veracruz. 200m. Plants low, trailing. Flowers numerous, compound, orange, dark centers, 1.7cm diam. Local name Ojo de gato. Wild. Seed.
442393. K792-311. Collected November 09, 1979. Km 134, Fresnillo-Durango Hwy., Municipio de Sombrerete, Zacatecas. Dry, sunny site. Plants low, spreading. Flowers numerous, compound, yellow, brown centers, 2cm diam. Local name Ojo de gato. Wild. Seed.

442394. *Sicana odorifera* (Vell.) Naud. (Cucurbitaceae) Cassabanana.

From Mexico. Collected by R. J. Knight and T. W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

K792-212. Collected October 31, 1979. Carretera 150, Parada de la Concha, Mende Amatlan de las Reyes, Veracruz. Fruits copper colored, sausage-shaped, 29cm long, 12cm diam. Local name Calabazona melona. Wild. Seed.

442395 TO 442396. *Sicyos* sp. (Cucurbitaceae).

From Mexico. Collected by R. J. Knight and T. W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

442395. K792-066. Collected October 25, 1979. Malpais, Municipio Valle de Santiago, Guanajuato. Vines climbing. Leaves hastate, finely pubescent, small. Fruits dark green, in clusters of 5, 3-angled, surface tessellated, 22mm long, 19mm diam. Seeds sharply angled, bony protuberances, one per fruit. Local name Jaltomate. Wild. Seed.

442396. K792-112. Collected October 22, 1979. Soledad Diez Gutierrez, Carretera 57, 2.5km north of traffic circle. Fruits small. Seeds spiny, abundant. Weedy. Local name Calabazilla loca. Wild. Seed.

442397 TO 442415. *Tagetes* sp. (Asteraceae).

From Mexico. Collected by R. J. Knight and T. W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

442397. K792-115. Collected October 16, 1979. Field near cave, Ocampo Tamaulipas. Plants tall to 75cm. Leaves pungent. Flowers bright yellow, 2.5cm diam., one per plant. Local name Zempasuchitl. Wild. Seed.

442398. K792-119. Collected October 24, 1979. Chavero field, km 5, Carretera Amealco, Galindo, Queretaro. Plants to 75cm tall. Leaves pungent. Flowers bright yellow, 5 to 6 ray flowers, 2cm diam. Local name Zempasuchitl. Wild. Seed.

442399. K792-120. Collected October 25, 1979. Silao, km 5, Carretera Romita, Guanajuato. Plants to 45cm tall. Leaves pungent. Flowers 5-rayed with faint orange crescent at base of each, 2cm diam. Local name Zempasuchitl. Wild. Seed.

442400. K792-121. Collected October 24, 1979. Egidio La Purisima, km 37.5, old Pan American Hwy., Guanajuato. Plants to 80cm tall. Leaves faintly aromatic. Flowers one per plant. Local name Zempasuchitl. Wild. Seed.

442401. K792-130. Collected October 15, 1979. Fields near ruins of bridge, La Puente, Ocampo, Tamaulipas. Plants to 80cm tall. Flowers yellow, one per plant. Local name Zempasuchitl. Wild. Seed.

442397 TO 442415-continued

442402. K792-131. Collected October 16, 1979. Ciudad Santos, San Luis Potosi. Flowers orange, large, one per plant. Local name Zempasuchitl. Wild. Seed.
442403. K792-132. Collected October 16, 1979. Ciudad Santos, San Luis Potosi. Flowers yellow. Local name Zempasuchitl. Wild. Seed.
442404. K792-133. Collected October 18, 1979. Nogales, Hwy. 70, Municipic Rayon, San Luis Potosi. Plants small. Leaves finely divided. Flowers orange, small, 1.5cm diam. Local name Zempasuchitl. Wild. Seed.
442405. K792-134. Collected October 18, 1979. Carretera 70, between Ciudad Valles and Rio Verde, San Luis Potosi. Leaves finely divided. Flowers orange, small, 1.7cm diam. Local name Zempasuchitl. Wild. Seed.
442406. K792-135. Collected October 23, 1979. Road to Villa de Reyes, San Luis Potosi before Guanajuato line. Plants dwarf, to 1.2cm tall, 9.5cm spread. Leaves finely divided, glaucous. Flowers orange, rayless, small, 5mm diam. Adapted to desert conditions. Local name Zempasuchitl. Wild. Seed.
442407. K792-136. Collected October 24, 1979. Km 29, Queretaro-Celaya Road, Guanajuato. Plants to 50cm tall. Flowers composite, rays 5, broad, yellow, orange crescent at base. Local name Zempasuchitl. Wild. Seed.
442408. K792-138. Collected October 24, 1979. Km 14.5, Pan American Hwy., Guanajuato State. West side of road. Leaves strongly pungent. Flowers orange, 2cm diam. Calyces very pubescent. Local name Zempasuchitl. Wild. Seed.
442409. K792-139. Collected October 26, 1979. Km 25, Acambao-Salvatierra Road, Municipio Salvatierra, Guanajuato. Plants to 75cm tall. Flowers compound, rays 5, broad, deep orange crescent at base. Local name Zempasuchitl. Wild. Seed.
442410. K792-140. Collected October 26, 1979. Dry cornfield, Km 25, Acambao-Salvatierra Rd., Mun. Salvatierra, Guanajuato. Plants to 75cm tall. Flowers yellow, plain. Local name Zempasuchitl. Wild. Seed.
442411. K792-162. Collected October 25, 1979. Estrada field, Salvatierra outskirts, Mun. de Salvatierra, Guanajuato. Plants dwarf, to 25cm tall. Leaves mildly pugent. Flowers yellow, rayless, small. Local name Coronilla. Wild. Seed.

442397 TO 442415-continued

442412. K792-165. Collected October 23, 1979. Pump 6, Industrial area. San Luis Potosi, S.L.P. Plants dwarf to 18cm tall. Leaves fine. Flowers yellow, rayless, small, 1 cm diam. Local name Zempasuchitl enano. Wild. Seed.
442413. K792-222. Collected November 07, 1979. Tuxpan, Michoacan. Near Tuxpan Bridge. Plants dwarf, to 20cm tall. Leaves finely divided, strongly aromatic. Flowers yellow, 5 rays, 1.2cm diam., one per plant. Local name Zempasuchitl. Annual. Wild. Seed.
442414. K792-227. Collected November 06, 1979. Carretera 15, Mexico State. Open pineland about 32km east of Zitacuaro. Plants very small. Flowers light or deep yellow, moderately profuse, one per plant. Local name Zempasuchitl. Wild. Seed.
442415. K792-303. Collected November 01, 1979. Ridge near overpass No. 53, Carretera Orizaba-Puebla, Puebla State. 2460m. Plants low. Adapted to high, dry, cool, sunny site. Local name Zempasuchitl enano. Seed.

442416. *Tithonia* sp. (Asteraceae).

From Mexico. Collected by R. J. Knight and T. W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

K792-157. Collected October 23, 1979. Laguna San Vicente, San Luis Postosi. Plants to 1 m tall. Flowers yellow, rays of different widths, 7 to 8cm diam., profuse. Local name Girasol silvestre. Wild. Seed.

442417. Undetermined (Amaryllidaceae).

From Mexico. Collected by R. J. Knight and T. W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

K792-065. Collected October 24, 1979. Rancho la Brujna, 1 km south of Queretaro State line, Guanajuato. Cattle pasture between rocks, dry. Leaves strap-like, base slightly pigmented. Flowers white, profuse, on spike. Corms fleshy. Local name Lirio. Wild. Seed.

442418 TO 442420. Undetermined (Asteraceae).

From Mexico. Collected by R. J. Knight and T. W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

442418. K792-118. Collected October 26, 1979. Km 25, Carretera Acambao-Salvatierra, Mun. Salvatierra, Guanajuato. Plants multiple-stemmed, to 1 m tall. Flowers deep yellow, aster-like, 2.25cm diam., profuse. Wild. Seed.
442419. K792-226. Collected October 31, 1979. Carretera 150, turn-off to La Esperanza, Veracruz State. Plants to 60cm tall. Flowers bright yellow, brown centered, profuse. Seeds wedge-shaped, woody. Wild. Seed.
442420. K792-299. Collected November 18, 1979. San Jose Ixtapac, Mun. Motozintla, Chiapas. 1200m. Shrub, to 3m tall. Flowers compound, white, yellow-centered, 9 rays, 3cm diam. Local name Margarita silvestre. Wild. Seed.

442421 TO 442422. Undetermined (Cucurbitaceae).

From Mexico. Collected by R. J. Knight and T. W. Whitaker, Subtropical Horticulture Research Unit & Imperial Valley Conservation Research Center, USDA, Miami, Florida and Brawley, California.
Received November 1979.

442421. K792-182. Collected November 02, 1979. Curva del Burro, Carretera 140, Mun. Paso de Oveja, Veracruz. Plants climbing. Leaves 3-lobed, coriaceous, roughly spiculate, strongly reticulate ventral surface. Stipules stout, long, unbranched, at each node. Flowers monoecious, ovary inferior, androecium in 3 parts. Fruits dark green, small, round, 1 cm long, 1 cm diam., borne singly or paired at every node. Wild. Seed.
442422. K792-292. Collected November 16, 1979. Colonia Magisterial, Carretera 200, Tapachula outskirts, Chiapas. South side of road, 0.9km east of Kamica Motel. Vine, vigorous, but brittle. Leaves palmate, deeply-lobed, 11cm long, 10cm wide. Petioles to 6cm long. Fruits dark green, light yellow at maturity, smooth, grape-like, 1 cm long, 0.9cm diam., borne in pairs at nodes. Flesh has cucumber odor, foams readily, used as laundry soap. Seeds, 1 to 3 per fruit, parasitized. Local name Bolita. Wild. Seed.

442423. Undetermined (Malvaceae).

From Mexico. Collected by R. J. Knight and T. W. Whitaker,

442423-continued

Subtropical Horticulture Research Unit & Imperial Valley
Conservation Research Center, USDA, Miami, Florida and
Brawley, California.
Received November 1979.

K792-164. Collected October 24, 1979. Km 29, Pan
American Hwy., Guanajuato. Home of E. Mandocano. Plants
to 40cm tall. Flowers light lavender, 5cm diam.
Cultivated. Seed.

442424 TO 442439. *Zinnia* sp. (Asteraceae).

From Mexico. Collected by R. J. Knight and T. W. Whitaker,
Subtropical Horticulture Research Unit & Imperial Valley
Conservation Research Center, USDA, Miami, Florida and
Brawley, California.
Received November 1979.

442424. K792-116. Collected October 26, 1979. Km 25, Carretera
Acambao-Salvatierra, Municipio Salvatierra, Guanajuato.
Plants to 30cm tall, spreading. Flowers compound, rays
10, deep orange, yellow margins, 8mm diam., large
overall, 3.5cm diam., profuse. Slight fungus infect ion.
Wild. Seed.

442425. K792-117. Collected October 26, 1979. Km 25, Carretera
Acambao-Salvatierra, Guanajuato. Plants to 45cm tall.
Flowers orange-yellow, 2 to 2.5cm diam., profuse. Drought
tolerant. Wild. Seed.

442426. K792-143. Collected October 24, 1979. Km 18.5, Pan
American Hwy., San Bartolo turn-off, Guanajuato. Plants
to 65cm tall. Flowers single, red-orange, 2.5cm diam.
Wild. Seed.

442427. K792-144. Collected October 24, 1979. Km 5, Amealco Rd.,
Galindo, Mun. San Juan del Rio, Queretare. Plants to 75cm
tall. Flowers single, reddish-orange, 3cm diam., profuse.
Wild. Seed.

442428. K792-150. Collected October 23, 1979. Laguna San
Vicente, San Luis Potosi. Plants to 40cm tall. Flowers
single, compound, coral red, 3.5cm diam. Annual. Wild.
Seed.

442429. K792-151. Collected October 23, 1979. M. Liva Pinà home,
Calle 20 Noviembre, Laguna San Vicente, San Luis Potosi.
Plants to 55cm tall. Flowers single, orange and yellowish.
Wild. Seed.

442430. K792-152. Collected October 24, 1979. Ejido Potrero El
Pitayo, km 26, old Pan American Hwy., Guanajuato. Flants

442424 TO 442439-continued

- to 45cm tall. Flowers single, compound, deep red-orange, 3cm diam. Annual. Wild. Seed.
442431. K792-153. Collected October 25, 1979. Malpais, Municipio Valle de Santiago, Guanajuato. Plants to 42cm tall. Flowers single, dark orange-red, 2.5cm diam. Annual. Wild. Seed.
442432. K792-154. Collected October 16, 1979. Tanguian, San Luis Potosi. Road from Mante to Valles. Plants low, trailing. Flowers single, compound, deep yellow, 6 to 8 rays, high conical centers, about 8mm diam. Seeds tiny. Wild. Seed.
442433. K792-156. Collected October 16, 1979. Tanguian, San Luis Potosi, 18km south of San Vicente. Plants low, trailing. Wild. Seed.
442434. K792-158. Collected October 24, 1979. San Bartolo de Berria, Guanajuato State. Plants dwarf, to 22cm tall. Flowers single, compound, yellow, 2cm diam. Wild. Seed.
442435. K792-159. Collected October 24, 1979. Corn field, Ejido la Purisima, km 37.5, old Pan American Hwy. Plants low, to 25cm tall. Flowers single, compound, yellow, 2cm diam. Annual. Wild. Seed.
442436. K792-170. Collected October 24, 1979. Km 14.5, Pan American Hwy., Guanajuato, 1 km S of Queretaro State line. Plants to 50cm tall. Flowers reddish-orange, 2cm diam. Annual. Wild. Seed.
442437. K792-219. Collected November 02, 1979. Fuente Nacional, Municipio Puente Nacional, Veracruz. Garden. Obtained from F. Rodriguez Vargas. Plants to 40cm tall. Flowers single, usually purple, 6 to 7cm diam. Local name Viuda. Cultivated. Seed.
442438. K792-221. Collected October 31, 1979. Roadside garden, Cuitlahuac city, Mun. de Cuitlahuac, Veracruz. Plants 45 to 80cm tall. Leaves show occasional spotting, no mildew. Flowers single to full double, usually orange-red, some deep purple. Local name Viuda. Cultivated. Seed.
442439. K792-274. Collected November 10, 1979. La Guayanera, km 239.5, Carretera 40, Sinaloa. Plants upright, to 40cm tall. Flowers bright orange, rays not clawed, but similar to ojo de gato, 2cm diam. Cultivated. Seed.

442440. *Agropyron caninum* (L.) Beauv. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis, Antwerpen.

442440-continued

Received April 1979.

42. Antwerp. Wild. Seed.

442441. *Agropyron junceum* (L.) Beauv. (Poaceae) Wheatgrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

44. Antwerp. Wild. Seed.

442442. *Agropyron repens* (L.) Beauv. (Poaceae) Quackgrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

45. Antwerp. Wild. Seed.

442443. *Agropyron sibiricum* (Willd.) Beauv. (Poaceae) Siberian
wheatgrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

46. Antwerp. Wild. Seed.

442444. *Agropyron trachycaulum* (Link) Malte ex H. F. Lewis (Poaceae)
Slender wheatgrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

47. Antwerp. Wild. Seed.

442445. *Agropyron trachycaulum* (Link) Malte ex H. F. Lewis (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

48. Antwerp. Wild. Seed.

442446. *Alopecurus geniculatus* L. (Poaceae) Water foxtail.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

53. Antwerp. Wild. Seed.

442447. *Alopecurus utriculatus* Banks & Soland. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

54. Antwerp. Wild. Seed.

442448. *Arrhenatherum elatius* (L.) Beauv. ex J. & C. Presl (Poaceae)
Tall oatgrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

60. Antwerp. Wild. Seed.

442449. *Brachypodium sylvaticum* (Huds.) Beauv. (Poaceae) Slender false
bromegrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

72. Antwerp. Wild. Seed.

442450. *Briza maxima* L. (Poaceae) Big quaking grass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

73. Antwerp. Wild. Seed.

442451. *Briza media* L. (Poaceae) Perennial quaking grass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

74. Antwerp. Received as *B. media* var. *major*. Wild. Seed.

442452. *Briza minor* L. (Poaceae) Little quaking grass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

76. Antwerp. Wild. Seed.

442453. *Bromus adoensis* Hochst. ex Steud. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

77. Antwerp. Wild. Seed.

442454. *Bromus arduennensis* Dum. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

78. Antwerp. Wild. Seed.

442455. *Bromus arvensis* L. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

79. Antwerp. Wild. Seed.

442456. *Bromus ciliatus* L. (Poaceae) Fringe brome.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

80. Antwerp. Wild. Seed.

442457. *Bromus inermis* Leyss. (Poaceae) Smooth bromegrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

81. Antwerp. Wild. Seed.

442458. *Bromus lanceolatus* Roth (Poaceae) Mediterranean bromegrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

82. Antwerp. Wild. Seed.

442459. *Bromus madritensis* L. (Poaceae) Spanish bromegrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

83. Antwerp. Wild. Seed.

442460. *Bromus mollis* L. (Poaceae) Soft chessgrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

84. Antwerp. Wild. Seed.

442461. *Bromus japonicus* Thunb. ex Murr. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

85. Antwerp. Wild. Seed.

442462. *Bromus rigidus* Roth (Poaceae) Ripgut bromegrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

88. Antwerp. Wild. Seed.

442463. *Bromus secalinus* L. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

89. Antwerp. Wild. Seed.

442464. *Bromus* sp. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

86. Antwerp. Received as *B. pilosus*. Wild. Seed.

442465. *Bromus sterilis* L. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

91. Antwerp. Wild. Seed.

442466. *Bromus tectorum* L. (Poaceae) Cheatgrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

92. Antwerp. Wild. Seed.

442467. *Bromus unioloides* H.B.K. (Poaceae) Rescuegrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

93. Antwerp. Wild. Seed.

442468. *Calamagrostis epigeios* (L.) Roth (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

94. Antwerp. Wild. Seed.

442469. *Calamagrostis lanceolata* Roth (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

95. Antwerp. Wild. Seed.

442470. *Caragana arborescens* Lam. (Fabaceae) Siberian pea-tree.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

891. Antwerp. Wild. Seed.

442471. *Cercis siliquastrum* L. (Fabaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

892. Antwerp. Wild. Seed.

442472. *Colutea arborescens* L. (Fabaceae) Bladder senna.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

893. Antwerp. Wild. Seed.

442473. *Coronilla varia* L. (Fabaceae) Crownvetch.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

894. Antwerp. Wild. Seed.

442474. *Cytisus scoparius* (L.) Link (Fabaceae) Scotch broom.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

895. Antwerp. Wild. Seed.

442475. *Dactylis glomerata* L. (Poaceae) Orchardgrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

100. Antwerp. Wild. Seed.

442476. *Desmodium canadense* (L.) DC. (Fabaceae) Beggarweed.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

896. Antwerp. Wild. Seed.

442477. *Digitaria ischaemum* (Schreb.) Schreb. ex Muhl. (Foaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

153. Antwerp. Received as *Panicum glabrum*. Wild. Seed.

442478. *Dolichos lablab* L. (Fabaceae) Hyacinth bean.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

897. Antwerp. Wild. Seed.

442479. *Echinaria capitata* (L.) Desf. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

101. Antwerp. Wild. Seed.

442480. *Eleusine indica* (L.) Gaertn. (Poaceae) Goosegrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

102. Antwerp. Wild. Seed.

442481. *Eleusine indica* (L.) Gaertn. (Poaceae) Goosegrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

103. Antwerp. Wild. Seed.

442482. *Elymus arenarius* L. (Poaceae) European dunegrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

104. Antwerp. Wild. Seed.

442483. *Elymus condensatus* Presl (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

105. Antwerp. Wild. Seed.

442484. *Hordelymus europaeus* (L.) Harz (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

106. Antwerp. Wild. Seed.

442485. *Elymus sibiricus* L. (Poaceae) Wildrye.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

107. Antwerp. Wild. Seed.

442486. *Eragrostis minor* Host (Poaceae) Little lovegrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

108. Antwerp. Wild. Seed.

442487. *Eragrostis pilosa* (L.) Beauv. (Poaceae) India lovegrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

109. Antwerp. Wild. Seed.

442488. *Eragrostis* sp. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

152. Antwerp. Received as *Panicum esculentum*. Wild. Seed.

442489. *Vulpia bromoides* (L.) S. F. Gray (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

110. Antwerp. Wild. Seed.

442490. *Festuca arundinacea* Schreb. (Poaceae) Tall fescue.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

111. Antwerp. Wild. Seed.

442491. *Festuca gigantea* (L.) Vill. (Poaceae) Great fescue.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

112. Antwerp. Wild. Seed.

442492. *Vulpia myuros* (L.) C. C. Gmel. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

113. Antwerp. Wild. Seed.

442493. *Festuca ovina* L. (Poaceae) Sheep fescue.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

114. Antwerp. Wild. Seed.

442494. *Galega officinalis* L. (Fabaceae) Goat's-rue.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

898. Antwerp. Wild. Seed.

442495. *Gastridium ventricosum* (Gouan) Schinz & Thell. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

122. Antwerp. Wild. Seed.

442496. *Gaudinia fragilis* (L.) Beauv. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

123. Antwerp. Wild. Seed.

442497. *Genista sagittalis* L. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

899. Antwerp. Wild. Seed.

442498. *Glyceria fluitans* (L.) R. Br. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

124. Antwerp. Wild. Seed.

442499. *Hedysarum coronarium* L. (Fabaceae) French honeysuckle.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

900. Antwerp. Wild. Seed.

442500. *Holcus lanatus* L. (Poaceae) Velvetgrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

125. Antwerp. Wild. Seed.

442501. *Holcus mollis* L. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

126. Antwerp. Wild. Seed.

442502. *Lamarckia aurea* (L.) Moench (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

134. Antwerp. Wild. Seed.

442503. *Lathyrus aphaca* L. (Fabaceae) Yellow pea.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

904. Antwerp. Wild. Seed.

442504. *Lathyrus cicera* L. (Fabaceae) Flatpod peavine.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

906. Antwerp. Wild. Seed.

442505. *Lathyrus hirsutus* L. (Fabaceae) Rough peavine.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

907. Antwerp. Wild. Seed.

442506. *Lathyrus latifolius* L. (Fabaceae) Perennial peavine.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

908. Antwerp. Wild. Seed.

442507. *Lathyrus montanus* Bernh. (Fabaceae) Peavine.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

909. Antwerp. Wild. Seed.

442508. *Lathyrus niger* (L.) Bernh. (Fabaceae) Black peavine.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

910. Antwerp. Wild. Seed.

442509. *Lathyrus nissolia* L. (Fabaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

911. Antwerp. Wild. Seed.

442510. *Lathyrus ochrus* (L.) DC. (Fabaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

912. Antwerp. Wild. Seed.

442511. *Lathyrus palustris* L. (Fabaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

913. Antwerp. Wild. Seed.

442512. *Lathyrus sylvestris* L. (Fabaceae) Flat pea.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

915. Antwerp. Wild. Seed.

442513. *Lathyrus vernus* (L.) Bernh. (Fabaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

916. Antwerp. Wild. Seed.

442514. *Lotus ornithopodioides* L. (Fabaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

918. Antwerp. Wild. Seed.

442515. *Lupinus perennis* L. (Fabaceae) Sun-Dial Lupine.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

920. Antwerp. Wild. Seed.

442516. *Medicago lupulina* L. (Fabaceae) Black medic.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

922. Antwerp. Wild. Seed.

442517. *Medicago sativa* L. (Fabaceae) Alfalfa.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.

Received April 1979.

924. Antwerp. Wild. Seed.

442518. *Melica ciliata* L. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

140. Antwerp. Wild. Seed.

442519. *Melica nutans* L. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

141. Antwerp. Wild. Seed.

442520. *Melilotus alba* Medik. (Fabaceae) White sweetclover.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

925. Antwerp. Wild. Seed.

442521. *Melilotus indica* (L.) All. (Fabaceae) Sourclover.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

926. Antwerp. Wild. Seed.

442522. *Melilotus officinalis* Lam. (Fabaceae) Yellow sweetclover.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

927. Antwerp. Wild. Seed.

442523. *Mibora minima* (L.) Desv. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

142. Antwerp. Wild. Seed.

442524. *Molinia caerulea* (L.) Moench (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

143. Antwerp. Wild. Seed.

442525. *Ononis spinosa* L. (Fabaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

928. Antwerp. Wild. Seed.

442526. *Ornithopus sativus* Brot. (Fabaceae) Serradella.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

930. Antwerp. Wild. Seed.

442527. *Oryza sativa* L. (Poaceae) Rice.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

146. Antwerp. Cultivated. Seed.

442528. *Panicum bulbosum* H. B. K. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

147. Antwerp. Wild. Seed.

442529. *Panicum capillare* L. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

148. Antwerp. Wild. Seed.

442530. *Panicum clandestinum* L. (Poaceae) Deer tongue.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

149. Antwerp. Wild. Seed.

442531. *Echinochloa colonum* (L.) Link (Poaceae) Junglerice.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

150. Antwerp. Wild. Seed.

442532. *Echinochloa crusgalli* (L.) Beauv. (Poaceae) Barnyardgrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

151. Antwerp. Wild. Seed.

442533. *Panicum miliaceum* L. (Poaceae) Proso millet.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

154. Antwerp. Wild. Seed.

442534. *Digitaria sanguinalis* (L.) Scop. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

155. Antwerp. Wild. Seed.

442535. *Panicum virgatum* L. (Poaceae) Switchgrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

156. Antwerp. Wild. Seed.

442536. *Pennisetum alopecuroides* (L.) Spreng. (Poaceae) Chinese pennisetum.

From Belgium. Donated by Hortus Botanicus Antverpiensis, Antwerpen.
Received April 1979.

158. Antwerp. Wild. Seed.

442537. *Pennisetum villosum* R. Br. ex Fresen. (Poaceae) Feathertop.

From Belgium. Donated by Hortus Botanicus Antverpiensis, Antwerpen.
Received April 1979.

159. Antwerp. Wild. Seed.

442538. *Phalaris canariensis* L. (Poaceae) Canarygrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis, Antwerpen.
Received April 1979.

160. Antwerp. Wild. Seed.

442539. *Phalaris aquatica* L. (Poaceae) Bulbous canarygrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis, Antwerpen.
Received April 1979.

163. Antwerp. Wild. Seed.

442540. *Phaseolus coccineus* L. (Fabaceae) Scarlet runner bean.

From Belgium. Donated by Hortus Botanicus Antverpiensis, Antwerpen.
Received April 1979.

931. Antwerp. Wild. Seed.

442541. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From Belgium. Donated by Hortus Botanicus Antverpiensis, Antwerpen.
Received April 1979.

932. Antwerp. Wild. Seed.

442542. *Phleum pratense* L. (Poaceae) Timothy.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

164. Antwerp. Wild. Seed.

442543. *Poa annua* L. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

165. Antwerp. Wild. Seed.

442544. *Poa nemoralis* L. (Poaceae) Wood bluegrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

166. Antwerp. Wild. Seed.

442545. *Poa pratensis* L. (Poaceae) Kentucky bluegrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

167. Antwerp. Wild. Seed.

442546. *Poa palustris* L. (Poaceae) Roughstalk bluegrass.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

168. Antwerp. Wild. Seed.

442547. *Poa trivialis* L. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

169. Antwerp. Wild. Seed.

442548. *Poa violacea* Bell. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

170. Antwerp. Wild. Seed.

442549. *Setaria verticillata* var. *ambigua* (Guss.) Parl. (Poaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

173. Antwerp. Wild. Seed.

442550. *Setaria glauca* (L.) Beauv. (Poaceae) Yellow foxtail.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

174. Antwerp. Wild. Seed.

442551. *Setaria italica* (L.) Beauv. (Poaceae) Foxtail millet.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

175. Antwerp. Wild. Seed.

442552. *Setaria verticillata* (L.) Beauv. (Poaceae) Bristly foxtail.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

176. Antwerp. Wild. Seed.

442553. *Setaria viridis* (L.) Beauv. (Poaceae) Green foxtail.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

177. Antwerp. Wild. Seed.

442554. *Sisyrinchium striatum* J. E. Smith (Iridaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

206. Antwerp. Wild. Seed.

442555. *Trifolium arvense* L. (Fabaceae) Rabbit-foot clover.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

938. Antwerp. Wild. Seed.

442556. *Trifolium incarnatum* L. (Fabaceae) Crimson clover.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

941. Antwerp. Wild. Seed.

442557. *Vicia sativa* subsp. *nigra* (L.) Ehrh. (Fabaceae) Blackpod vetch.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

947. Antwerp. Wild. Seed.

442558. *Vicia cracca* L. (Fabaceae) Boreal vetch.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

948. Antwerp. Wild. Seed.

442559. *Vicia faba* L. (Fabaceae) Broadbean.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

949. Antwerp. Wild. Seed.

442560. *Vicia pisiformis* L. (Fabaceae) Vetch.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

951. Antwerp. Wild. Seed.

442561. *Vicia sativa* L. (Fabaceae) Common vetch.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

952. Antwerp. Wild. Seed.

442562. *Vicia sylvatica* L. (Fabaceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

953. Wild. Seed.

442563. *Vigna unguiculata* subsp. *cylindrica* (L.) Verdc. (Fabaceae)
Catjang.

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

955. Antwerp. Wild. Seed.

442564. *Zinnia elegans* Jacq. (Asteraceae).

From Belgium. Donated by Hortus Botanicus Antverpiensis,
Antwerpen.
Received April 1979.

606. Antwerp. Cultivated. Seed.

442565 TO 442572. *Arachis hypogaea* L. (Fabaceae) Peanut.

From China, Peoples Repub of. Donated by Institute of
Agricultural Sciences, Changwei, Shandong.
Received April 1980.

442565. Chang 017. Maturity 125-130 days. Stems straight, short.
Branches few. Fruits moderate size. Cultivated. Seed.

442565 TO 442572-continued

442566. Chang 1016. Maturity 130 days. Stems strong. Fruits medium size, straight. Seeds uniform, pearl shaped, no cracks or black spot. Drought and saturation tolerant. Cultivated. Seed.
442567. Changhua No. 1. Maturity 120 days. Stems straight, short. Branches 4-5. Flowers produced over long period. Fruits bottle-gourd shaped, clustered. Seeds pearl shaped. Drought tolerant. Cultivated. Seed.
442568. Changhua No. 2. Maturity 130 days. Stems straight, medium height. Branches 5-6. Fruits bottle-gourd shaped, clustered. Seeds pearl bean shaped. Storage capability short. Cultivated. Seed.
442569. Changhua No. 3. Maturity 140 days. Stems straight, short. Branches ten. Seeds large. Drought tolerant. Some cold tolerance. Cultivated. Seed.
442570. Changhua No. 4. Maturity 135 days. Stems somewhat creeping, to 20cm. Branches 5-7. Flowers indeterminately. Drought tolerant. Cultivated. Seed.
442571. Changhua No. 5. Maturity 130 days. Stems straight, medium height. Branches 5-6. Fruits clustered. Seeds uniform in size, long, oval shaped, pink, no oil spot or crack line. Some drought tolerance. Cultivated. Seed.
442572. Changhua No. 6. Maturity 130 days. Stems straight, medium growth. Branches 5-6. Fruits uniform in size, clustered. Seeds large. Drought tolerant. Cultivated. Seed.

442573 TO 442574. X *Elymotriticum* P. Fourn. (Poaceae).

From Soviet Union. Donated by N. I. Vavilov Institute of Plant Industry, Leningrad.
Received April 1980.

442573. VIR 84143. *Triticum* sp. x *Elymus* sp. Moscow region. Amphidiploid, chromosome number 98. Winter annual. Cultivated. Seed.
442574. VIR 84144. *Triticum* sp. x *Elymus* sp. Moscow region. Amphidiploid, chromosome number 98. Winter annual. Cultivated. Seed.

442575 TO 442593. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Japan. Donated by Y. Takahashi, Laboratory of the Groundnut,

442575 TO 442593-continued

Chibu-ken Agricultural Extension Station, Inba-gun, Chiba-ken.
Received April 1980.

- 442575. 'Azumayutaka'. Cultivated. Cultivar. Seed.
- 442576. 'Benihandachi'. Cultivated. Cultivar. Seed.
- 442577. 'Fuji #2'. Cultivated. Cultivar. Seed.
- 442578. 'Sachihomare'. Cultivated. Cultivar. Seed.
- 442579. 'Tachimasari'. Cultivated. Cultivar. Seed.
- 442580. 'Tekona'. Cultivated. Cultivar. Seed.
- 442581. Kanto No. 37. Cultivated. Breeding material. Seed.
- 442582. Kanto No. 38. Cultivated. Breeding material. Seed.
- 442583. Kanto No. 39. Cultivated. Breeding material. Seed.
- 442584. Kanto No. 40. Cultivated. Breeding material. Seed.
- 442585. Chiba No. 74. Cultivated. Seed.
- 442586. Chibahandachi. Cultivated. Seed.
- 442587. Chibashoryu. Cultivated. Seed.
- 442588. Hakyu 7-3. Cultivated. Seed.
- 442589. Jawa No. 13. Cultivated. Seed.
- 442590. Kintoki. Cultivated. Seed.
- 442591. Tanganica No. 4. Cultivated. Seed.
- 442592. Tokushimazairai. Cultivated. Seed.
- 442593. Valencia. Cultivated. Seed.

442594 TO 442612. *Arachis hypogaea* L. (Fabaceae) Peanut.

From South Africa. Donated by Department of Agriculture and
Fisheries, Potchefstroom, Transvaal.
Received April 1980.

- 442594. RG 10. Cultivated. Seed.
- 442595. RG 20. Cultivated. Seed.
- 442596. RG 22. Cultivated. Seed.

442594 TO 442612-continued

- 442597. RG 54. Cultivated. Seed.
- 442598. RG 96. Cultivated. Seed.
- 442599. RG 113. Cultivated. Seed.
- 442600. RG 158. Cultivated. Seed.
- 442601. RG 179. Cultivated. Seed.
- 442602. RG 206. Cultivated. Seed.
- 442603. RG 214. Cultivated. Seed.
- 442604. RG 226. Cultivated. Seed.
- 442605. RG 227. Cultivated. Seed.
- 442606. RG 249. Cultivated. Seed.
- 442607. RG 261. Cultivated. Seed.
- 442608. RG 293. Cultivated. Seed.
- 442609. RG 314. Cultivated. Seed.
- 442610. RG 383. Cultivated. Seed.
- 442611. RG 413. Cultivated. Seed.
- 442612. RG 416. Cultivated. Seed.

442613 TO 442621. *Oryza sativa* L. (Poaceae) Rice.

From Japan. Donated by Seed Storage Laboratory, Division of Genetics, National Institute of Agricultural Sciences, Tsukuba. Received through Agriculture, Forestry & Fisheries Research Council, Tokyo.
Received May 1980.

- 442613. 113905-090715. Akane Mochi. Cultivated. Seed.
- 442614. 113905-090726. Aso Minor. Cultivated. Seed.
- 442615. 113905-090716. Hiyoku Mochi. Cultivated. Seed.
- 442616. 113905-030105. Kogane Mochi. Cultivated. Seed.
- 442617. 113905-090727. Kurenai Mochi. Cultivated. Seed.
- 442618. 113905-080227. Sakae Mochi. Cultivated. Seed.

442613 TO 442621-continued

442619. 113905-050172. Seirei. Cultivated. Seed.

442620. 113905-080032. Sendai. Cultivated. Seed.

442621. 113905-090710. Tsukushibare. Cultivated. Seed.

442622 TO 442628. *Agropyron cristatum* (L.) Gaertn. (Poaceae) Fairway crested wheatgrass.

From Turkey. Donated by Regional Agricultural Research Institute, Menemen, Izmir.
Received May 1978.

442622. TR 15330-67. Seed.

442623. TR 22603-67. Seed.

442624. TR 22736-63. Seed.

442625. TR 22750-67. Seed.

442626. TR 23155-67. Seed.

442627. TR 26864-68. Seed.

442628. TR 26865-68. Seed.

442629. *Agropyron desertorum* (Fisch. ex Link) Schult. (Poaceae) Standard crested wheatgrass.

From Turkey. Donated by Regional Agricultural Research Institute, Menemen, Izmir.
Received May 1978.

TR 22623-67. Seed.

442630 TO 442635. *Agropyron elongatum* (Host) Beauv. (Poaceae) Tall wheatgrass.

From Turkey. Donated by Regional Agricultural Research Institute, Menemen, Izmir.
Received May 1978.

442630. TR 4176-66. Seed.

442631. TR 4180-66. Seed.

442632. TR 4181-66. Seed.

442630 TO 442635-continued

442633. TR 4192-66. Seed.

442634. TR 4186-66. Seed.

442635. TR 4225-66. Seed.

442636 TO 442640. *Agropyron intermedium* (Host) Beauv. (Poaceae)
Intermediate wheatgrass.

From Turkey. Donated by Regional Agricultural Research Institute,
Menemen, Izmir.

Received May 1978.

442636. TR 4195-66. Seed.

442637. TR 4196-66. Seed.

442638. TR 22605-67. Seed.

442639. TR 22848-67. Seed.

442640. TR 23081-67. Seed.

442641 TO 442643. *Agropyron* sp. (Poaceae).

From Turkey. Donated by Regional Agricultural Research Institute,
Menemen, Izmir.

Received May 1978.

442641. TR 5206-67. Seed.

442642. TR 15025-67. Seed.

442643. TR 22639-67. Seed.

442644. *Medicago polymorpha* L. (Fabaceae) California burclover.

From Turkey. Donated by Regional Agricultural Research Institute,
Menemen, Izmir.

Received May 1978.

TR 12090-67. Seed.

442645. *Medicago intertexta* (L.) Mill. (Fabaceae).

From Turkey. Donated by Regional Agricultural Research Institute,
Menemen, Izmir.

Received May 1978.

442645-continued

TR 5209-66. Seed.

442646 TO 442654. *Medicago lupulina* L. (Fabaceae) Black medic.

From Turkey. Donated by Regional Agricultural Research Institute,
Menemen, Izmir.

Received May 1978.

442646. TR 14903-67. Seed.

442647. TR 15001-67. Seed.

442648. TR 15088-67. Seed.

442649. TR 15715-67. Seed.

442650. TR 22661-67. Seed.

442651. TR 22680-67. Seed.

442652. TR 22791-67. Seed.

442653. TR 22804-67. Seed.

442654. TR 22961-67. Seed.

442655. *Medicago minima* (L.) Bortal. (Fabaceae) Little burclover.

From Turkey. Donated by Regional Agricultural Research Institute,
Menemen, Izmir.

Received May 1978.

TR 5218-66. Seed.

442656 TO 442658. *Medicago polymorpha* L. (Fabaceae) California
burclover.

From Turkey. Donated by Regional Agricultural Research Institute,
Menemen, Izmir.

Received May 1978.

442656. TR 12314-67. Seed.

442657. TR 12463-67. Seed.

442658. TR 22930-67. Seed.

442659 TO 442661. *Medicago sativa* L. (Fabaceae) Alfalfa.

From Turkey. Donated by Regional Agricultural Research Institute,
Menemen, Izmir.
Received May 1978.

442659. TR 15496-67. Seed.

442660. TR 22892-67. Seed.

442661. TR 23178-67. Seed.

442662. *Medicago tornata* var. *shepardii* (Post) Heyn (Fabaceae).

From Turkey. Donated by Regional Agricultural Research Institute,
Menemen, Izmir.
Received May 1978.

TR 5242-66. Received as basionym, *M. shepardii*. Seed.

442663 TO 442665. *Medicago* sp. (Fabaceae).

From Turkey. Donated by Regional Agricultural Research Institute,
Menemen, Izmir.
Received May 1978.

442663. TR 5265-66. Seed.

442664. TR 5267-66. Seed.

442665. TR 14936-67. Seed.

442666. *Medicago turbinata* (L.) All. (Fabaceae) Medic.

From Turkey. Donated by Regional Agricultural Research Institute,
Menemen, Izmir.
Received May 1978.

TR 5271-66. Seed.

442667 TO 442673. *Solanum leptophyes* f. *gourlayi* (Hawkes) Corr.
(Solanaceae).

From Argentina. Collected by K. A. Okada and W. Hoffman, INTA
Estacion Experimental de Balcarce, Balcarce.
Received April 1980.

442667. Hof 1553. Argentina. Balcarce. INTA Estacion
Experimental de Balcarce. BAL 708. Collected February 10,
1970. Las Cuevas, Rosario de Lerma, Salta Province. 3400m.

442667 TO 442673-continued

Wild. Seed.

442668. Hof 1636. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7035. Collected 1970. Ditch, Hornillos, Tilcara, Jujuy Province. 3050m. Wild. Seed.
442669. Oka 4302. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72103. Collected March 15, 1972. Casa Colorada, Tilcara, Jujuy Province. 3300m. Wild. Seed.
442670. Oka 4329. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72130. Collected March 17, 1972. Ditch, Estancia Grande, Tumbaya, Jujuy Province. 3100m. Wild. Seed.
442671. Oka 4350. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72151. Collected March 18, 1972. Ditch, Sepulturas, Tumbaya, Jujuy Province. 3300m. Wild. Seed.
442672. Oka 4434. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72231. Collected March 26, 1972. Ditch, Chorro, Tilcara, Jujuy Province. 3900m. Wild. Seed.
442673. Oka 4516. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72307. Collected April 03, 1972. Ditch, Soledad, Humahuaca, Jujuy Province. 3680m. Wild. Seed.

442674 TO 442677. *Solanum infundibuliforme* Phil. (Solanaceae).

From Argentina. Collected by K. A. Okada and W. Hoffman, INTA Estacion Experimental de Balcarce, Balcarce.
Received April 1980.

442674. Hof 1626. Argentina. Balcarce. INTA Experimental de Balcarce. BAL 7031. Collected 1970. Road to Cangrejillos, near Pulpera, Yavi, Jujuy Province. 6320m. Wild. Seed.
442675. Oka 3818. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7177. Collected April 02, 1971. Ditch, Huichaira near Tilcara, Tilcara, Jujuy Province. 2900m. Wild. Seed.
442676. Oka 3832. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7188. Collected April 02, 1971. Ditch, Soledad, Humahuaca, Jujuy Province. 3400m. Wild. Seed.

442674 TO 442677-continued

442677. Oka 3841. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7196. Collected April 04, 1971. Humahuaca-Coraya road, about 8km from Humahuaca, Jujuy Province. 3200m. Wild. Seed.

442678 TO 442681. *Solanum kurtzianum* Bitter & Wittm. ex Engl. (Solanaceae).

From Argentina. Collected by K. A. Okada and W. Hoffman, INTA Estacion Experimental de Balcarce, Balcarce. Received April 1980.

442678. Hof 1755. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7083. Collected 1970. Ditch, Antecristo, Iglesia, San Juan Province. 2800m. Wild. Seed.

442679. Oka 4285. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7287. Collected February 14, 1972. Ditch, Riquintin, Penasquito, Iglesia, San Juan Province. 2700m. Wild. Seed.

442680. Oka 4932. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73116. Collected April 07, 1973. Border of San Fernando, 7km north of La Cienaga, Belen, Catamarca Province. 1600m. Wild. Seed.

442681. Oka 4941. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73124. Collected April 09, 1973. East 39km of Belen, Andalgalá, Catamarca Province. 1200m. Wild. Seed.

442682 TO 442685. *Solanum oplocense* Hawkes (Solanaceae).

From Argentina. Collected by K. A. Okada and W. Hoffman, INTA Estacion Experimental de Balcarce, Balcarce. Received April 1980.

442682. Oka 3945. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71153. Collected April 07, 1971. East 30km of Santa Catalina near El Angosto, Unopujito, Jujuy Province. 3700m. Wild. Seed.

442683. Oka 3954. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71161. Collected April 07, 1971. Santa Catalina, Jujuy Province. 3700m. Wild. Seed.

442684. Oka 3959. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71164. Collected April 07, 1971. Santa Catalina, Jujuy Province. 3700m. Wild. Seed.

442682 TO 442685-continued

442685. Oka 3964. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71168. Collected April 07, 1971. Santa Catalina, Jujuy Province. 3700m. Wild. Seed.

442686 TO 442688. *Solanum leptophyes* Bitter (Solanaceae).

From Argentina. Collected by K. A. Okada and W. Hoffman, INTA Estacion Experimental de Balcarce, Balcarce. Received April 1980.

442686. Oka 4036. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71218. Collected April 17, 1971. North 43km of Cachi, La Foma, Salta Province. 2640m. Wild. Seed.

442687. Oka 4201. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 729. Collected January 29, 1972. North 7km of Carrizal, Los Corrales, Famatina, La Rioja Province. 1900m. Wild. Seed.

442688. Oka 4269. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7272. Collected February 06, 1972. P. Cachiyuyo, on path to P. Cienaga Grande, Famatina, La Rioja Province. 2400m. Wild. Seed.

442689. *Solanum tarijense* Hawkes (Solanaceae).

From Argentina. Collected by K. A. Okada and W. Hoffman, INTA Estacion Experimental de Balcarce, Balcarce. Received April 1980.

Hof 1892. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71284. Collected March 09, 1971. Ditch south of Rio Santa Victoria, Santa Victoria, Salta Province. 2200m. Wild. Seed.

442690. *Solanum chacoense* Bitter (Solanaceae).

From Bolivia. Collected by J. G. Hawkes, J. P. Jheriting, & R. N. Lester, Department of Plant Biology, The University of Birmingham, Birmingham, England. Received April 1980.

HHCH 4534. Collected March 03, 1971. Km 192, road from Sucre to Epizana, 40km from Aiguile, Cochabamba, Carrasco. 2600m. Wild. Seed.

442691 TO 442693. *Solanum sparsipilum* Var. *llallaguanianum* (Card. & Hawkes) Corr. (Solanaceae).

From Bolivia. Collected by J. G. Hawkes, J. P. Jheriting, & R. N. Lester, Department of Plant Biology, The University of Birmingham, Birmingham, England.

Received April 1980.

442691. HHCH 4580. Collected March 06, 1971. Road to Don Diego, Samasa, 155km from Sucre toward Potosi, Potosi, Frias, 3625m. Wild. Seed.

442692. HHCH 4593. Collected March 08, 1971. Road to Oruro, 20km from Potosi, Aroifilla, Potosi, Frias. 3375m. Wild. Seed.

442693. HHCH 4601. Collected March 08, 1971. Tarapaya plaza, 25km from Potosi on Oruro road, Potosi, Frias. 3500m. Wild. Seed.

442694. *Solanum lesteri* Hawkes & Hjerting (Solanaceae).

From Mexico. Collected by J. G. Hawkes, J. P. Jheriting, & R. N. Lester, Department of Plant Biology, The University of Birmingham, Birmingham, England.

Received April 1980.

HHL 1714. Collected October 19, 1958. South 25.8km of Miahuatlan on road from Oaxaca to Puerto Angel, Oaxaca. 2300m. Wild. Seed.

442695 TO 442696. *Solanum canasense* Hawkes (Solanaceae).

From Peru. Collected by J. G. Hawkes, J. P. Jheriting, & R. N. Lester, Department of Plant Biology, The University of Birmingham, Birmingham, England.

Received April 1980.

442695. HHCH 5063. Collected April 06, 1971. Herrerapata, northeast of Puno, Puno Province. 3950m. Wild. Seed.

442696. HHCH 5064. Collected April 06, 1971. Path to Juliaca, 6km from Puno, Huerta, Puno Province. 3900m. Wild. Seed.

442697. *Solanum pampasense* Hawkes (Solanaceae).

From Peru. Collected by J. G. Hawkes, J. P. Jheriting, & R. N. Lester, Department of Plant Biology, The University of Birmingham, Birmingham, England.

Received April 1980.

HHCH 5229. Collected April 18, 1971. Ayacucho rd. above

442697-continued

Rio Pampas, 12km below Chincheros, Apurimac, Andahuaylas.
2600m. Wild. Seed.

442698. *Solanum anabile* Vargas (Solanaceae).

From Peru. Collected by C. M. Ochoa, International Potato Center,
La Molina, Lima.
Received April 1980.

Och 7820. Ckosniritu, Cusco. Wild. Seed.

442699. *Solanum chancayense* Ochoa (Solanaceae).

From Peru. Collected by C. M. Ochoa, International Potato Center,
La Molina, Lima.
Received April 1980.

Och 11250. Lomas Sachay, Lima. Wild. Seed.

442700 TO 442702. *Solanum* sp. (Solanaceae).

From Peru. Collected by C. M. Ochoa, International Potato Center,
La Molina, Lima.
Received April 1980.

442700. Och 7728. Ccorimarca, Apurimac. Received as *S.*
abancayense. Wild. Seed.

442701. Och 10673. Pencalca El Mirador, Cajamarca. Received as *S.*
blanco-galdosii. Wild. Seed.

442702. Och 5169. Received as *S. limbaniense*. Wild. Seed.

442703. *Solanum weberbaueri* Bitter (Solanaceae).

From Peru. Collected by C. M. Ochoa, International Potato Center,
La Molina, Lima.
Received April 1980.

Och 5061. Wild. Seed.

442704 TO 442789. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Zimbabwe. Donated by G. L. Hildebrand, Crop Breeding
Institute, Causeway.
Received April 1980.

442704. 'Jacana'. Selected from PI 262042. Early-maturing.

442704 TO 442789-continued

- Spanish-type. Seeds flesh color. Cultivated. Seed.
442705. 'Valencia R-2'. Selected from PI 262080. Early-maturing. Valencia-type. Cultivated. Seed.
442706. 'Natal Common'. Early-maturing. Spanish-type. Seeds flesh color. Cultivated. Seed.
442707. 'Natal Common'. Ngunda. Early-maturing. Spanish-type. Seeds flesh color. Cultivated. Seed.
442708. 628/73. Paraguay. Selected from PI 261934. Early-maturing. Valencia-type. Seeds flesh color. Cultivated. Seed.
442709. 636/73. Brazil. Selected from PI 262047. Early-maturing. Spanish-type. Seeds flesh color. Cultivated. Seed.
442710. 637/73. Brazil. Selected from PI 262048. Early-maturing. Spanish-type. Seeds flesh color. Cultivated. Seed.
442711. 638/73. Brazil. Selected from PI 262049. Early-maturing. Valencia-type. Seeds flesh color. Cultivated. Seed.
442712. 641/73. Brazil. Selected from PI 262055. Early-maturing. Valencia-type. Seeds flesh color. Cultivated. Seed.
442713. 651/73. Brazil. Selected from PI 275736. Early-maturing. Spanish-type. Seeds flesh color. Cultivated. Seed.
442714. 660/73. Brazil. Selected from PI 336923. Early-maturing. Valencia-type. Seeds flesh color. Cultivated. Seed.
442715. 668/73. Brazil. Selected from PI 336954. Early-maturing. Spanish-type. Seeds flesh color. Cultivated. Seed.
442716. 673/73. Brazil. Selected from PI 336983. Early-maturing. Spanish-type. Seeds flesh color. Cultivated. Seed.
442717. P 10/6/9. 321/66 (Mwitunde x Natal Common) x Valencia R1 (PI 268508). Early-maturing. Cultivated. Seed.
442718. 10/7/36. 321/66 (Mwitunde x Natal Common) x Valencia R1 (PI 268508). Early-maturing. Cultivated. Seed.
442719. P 11/6/3. Valencia R1 (PI 268508) x 183/66 (PI 261911). Early-maturing. Cultivated. Seed.
442720. 'Egret'. Late-maturing. Seeds red. Testae pale. Cultivated. Seed.
442721. 'Makulu Red'. Zambia. Plants late-maturing, alternately-branched, no inflorescences in main stem leaf axil. Pods

442704 TO 442789-continued

- two-segmented. Seeds dark red, dormant at harvest.
Cultivated. Seed.
442722. P 1/7/32. 183/66 (PI 261911) x 59/66 (PI 262092). Late-maturing. Cultivated. Seed.
442723. 4/7/6. 183/66 (PI 261911) x Makulu Red. Late-maturing. Cultivated. Seed.
442724. 4/7/9. 183/66 (PI 261911) x Makulu Red. Late-maturing. Cultivated. Seed.
442725. 4a/7/7. 183/66 (PI 261911) x Makulu Red. Late-maturing. Cultivated. Seed.
442726. 4a/7/20. 183/66 (PI 261911) x Makulu Red. Late-maturing. Cultivated. Seed.
442727. 4a/7/24. 183/66 (PI 261911) x Makulu Red. Late-maturing. Cultivated. Seed.
442728. P4a/6/15. 183/66 (PI 261911) x Makulu Red. Late-maturing. Cultivated. Seed.
442729. P4a/7/8. 183/66 (PI 261911) x Makulu Red. Late-maturing. Cultivated. Seed.
442730. 6/7/1. 162/66 (PI 274191) x 169/66 (PI 274203). Late-maturing. Cultivated. Seed.
442731. P12/5/1. Natal Common x 183/66 (PI 261911). Late-maturing. Cultivated. Seed.
442732. P12/5/2. Natal Common x 183/66 (PI 261911). Late-maturing. Cultivated. Seed.
442733. 12/6/5. Natal Common x 183/66 (PI 261911). Late-maturing. Cultivated. Seed.
442734. 12/6/19. Natal Common x 183/66 (PI 261911). Late-maturing. Cultivated. Seed.
442735. 12/6/21. Natal Common x 183/66 (PI 261911). Late-maturing. Cultivated. Seed.
442736. 351/64. Nelson Spanish (P 4577). Cultivated. Seed.
442737. 310/66. South Africa. Nelspan. Cultivated. Seed.
442738. 317/66. South Africa. Improved Spanish (F 4166). Cultivated. Seed.
442739. 183/66/6. Selected from 183/66 (PI 261911). Soft-shelled.

442704 TO 442789-continued

Cultivated. Seed.

442740. 183/66/7. Selected from 183/66 (PI 261911). Soft-shelled. Cultivated. Seed.
442741. 32/67/51. Selected from Sigaro Pink. Cultivated. Seed.
442742. 32/67/85. Selected from Sigaro Pink. Cultivated. Seed.
442743. 32/67/92. Selected from Sigaro Pink. Cultivated. Seed.
442744. 14/70/1. Angola. Selected from 14/70 (AM-95). Cultivated. Seed.
442745. 83/70/1. Selected from Valencia-type (Murambat swina). Cultivated. Seed.
442746. 277/71. Valencia-type. Seeds pink. Cultivated. Seed.
442747. 281/71. South Africa. Selected from G.119. Seeds pink. Cultivated. Seed.
442748. 405/71. Valencia-type. Seeds red. Local name Nzungutzvuku. Cultivated. Seed.
442749. 415/71. Valencia-type. Seeds pink. Cultivated. Seed.
442750. P1/6/147. 183/66 (PI 261911) x 59/66 (PI 262092). Cultivated. Seed.
442751. P1/7/3. 183/66 (PI 261911) x 59/66 (PI 262092). Cultivated. Seed.
442752. P1/7/34. 183/66 (PI 261911) x 59/66 (PI 262092). Cultivated. Seed.
442753. P1/7/35. 183/66 (PI 261911) x 59/66 (PI 262092). Cultivated. Seed.
442754. 4a/8/2. 183/66 (PI 261911) x Makulu Red. Cultivated. Seed.
442755. 4a/8/3. 183/66 (PI 261911) x Makulu Red. Cultivated. Seed.
442756. 4a/8/9. 183/66 (PI 261911) x Makulu Red. Cultivated. Seed.
442757. P5/7/1. 58/66 (PI 261906) x Natal Common. Cultivated. Seed.
442758. 8/7/6. 183/66 (PI 261911) x 169/66 (PI 274203). Cultivated. Seed.

442704 TO 442789-continued

442759. 8/7/8. 183/66 (PI 261911) x 169/66 (PI 274203).
Cultivated. Seed.
442760. 9/7/26. 183/66 (PI 261911) x 321/66. Cultivated. Seed.
442761. 17/7/6. 154/66/1 (Sel. from PI 274179) x 169/66 (PI
274203). Cultivated. Seed.
442762. 31/6/18. Jacana x Valencia R1 (PI 268508). Cultivated.
Seed.
442763. 31/6/20. Jacana x Valencia R1 (PI 268508). Cultivated.
Seed.
442764. 31/6/22. Jacana x Valencia R1 (PI 268508). Cultivated.
Seed.
442765. 32/6/1. Jacana x 59/66 (PI 262092). Cultivated. Seed.
442766. 34/6/1. 32/67/11 x 169/66 (PI 274203). Cultivated. Seed.
442767. 34/6/2. 32/67/11 x 169/66 (PI 274203). Cultivated. Seed.
442768. P34/6/2. 32/67/11 x 169/66 (PI 274203). Cultivated. Seed.
442769. P35/6/2. 183/66 (PI 261911) x FM.17/4. Cultivated. Seed.
442770. 38/6/4. 183/66 (PI 261911) x 42/67/16. Cultivated. Seed.
442771. 38/6/15. 183/66 (PI 261911) x 42/67/16. Cultivated. Seed.
442772. 41/6/10. Jacana x Makulu Red. Cultivated. Seed.
442773. PM. 17/4. Selected from Makulu Red. Seeds pink.
Cultivated. Seed.
442774. 53/6. Egret x 8/74 (rust resistant FESR 1). Cultivated.
Seed.
442775. 54/6. 183/66/6 x 8/74 (rust resistant FESR 1).
Cultivated. Seed.
442776. 60/6. 89/70/3 x 16/74 (FESR 9). Cultivated. Seed.
442777. 61/6. Makulu Red x 8/74. Cultivated. Seed.
442778. 62/6. Makulu Red x 16/74. Cultivated. Seed.
442779. 63/6. Jacana x 16/74. Cultivated. Seed.
442780. 79/5. 84/70/1 x Egret. Cultivated. Seed.

442704 TO 442789-continued

- 442781. 81/5. Jacana x N.C. 3033. Cultivated. Seed.
- 442782. 82/5. Egret x N.C. 3033. Cultivated. Seed.
- 442783. 91/3. P1/6/147 x Egret. Cultivated. Seed.
- 442784. 92/4. P1/6/147 x Jacana. Cultivated. Seed.
- 442785. 93/4. P1/6/147 x Valencia R2. Cultivated. Seed.
- 442786. 94/3. 4a/7/20 x Egret. Cultivated. Seed.
- 442787. 95/3. 4a/7/20 x Jacana. Cultivated. Seed.
- 442788. 97/3. 6/7/1 x Egret. Cultivated. Seed.
- 442789. 99/3. 6/7/1 x Valencia R2. Cultivated. Seed.

442790. *Cucurbita maxima* Duch. (Cucurbitaceae) Winter squash.

From South Africa. Donated by T.C. Nel, Department of Agriculture and Fisheries, Division of Seed Control, Pretoria.
Received May 1980.

Large White Boer. Fruits large. Cultivar. Seed.

442791 TO 442792. *Cucurbita pepo* L. (Cucurbitaceae) Pumpkin.

From South Africa. Donated by T.C. Nel, Department of Agriculture and Fisheries, Division of Seed Control, Pretoria.
Received May 1980.

442791. 'Little Gem'. Fruits orange-yellow at maturity, weigh 140 to 225 grams. Flesh yellow, slightly fibrous, good taste. Most popular of all squashes in South Africa.
Cultivar. Seed.

442792. 'Rolet'. Fruits remain dark green, size of large orange.
Cultivar. Seed.

442793 TO 442801. *Lathyrus sativus* L. (Fabaceae) Grass pea.

From India. Donated by National Bureau of Plant Genetic Resources, New Dehli.
Received February 1978.

442793. KH-1. Seed.

442794. LSD-1. Seed.

442793 TO 442801-continued

- 442795. LSD-3. Seed.
- 442796. LSD-6. Seed.
- 442797. P 10-1. Seed.
- 442798. P-263. Seed.
- 442799. PS-1. Seed.
- 442800. S-121. Seed.
- 442801. S-220. Seed.

442802 TO 442807. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae)
Leadtree.

From Guatemala. Donated by Plenty Agricultural Project, Guatemala City.
Received May 1980.

- 442802. Between Solola and Panajache. 2000m. Wild. Seed.
- 442803. Teculután, Departamento de Chiquimula. 325m. Wild. Seed.
- 442804. Between Guatemala City and Zacapa. 324m. Wild. Seed.
- 442805. Between Guatemala City and Zacapa. 630m. Wild. Seed.
- 442806. Between Guatemala City and Zacapa. 680m. Wild. Seed.
- 442807. Between Guatemala City and Zacapa. 1110m. Wild. Seed.

442808 TO 442809. *Reseda lutea* L. (Resedaceae).

From Italy. Donated by Food and Agriculture Organization of the United Nations, Rome.
Received May 1978.

- 442808. 47.297. Italy. Univ. degli Studi dell'Aquila, L'Aquila, Abruzzo. Orto Botanico dell'Università. From L'Aquila, Abruzzo. Cultivated. Seed.
- 442809. 47.298. Italy. Univ. degli Studi dell'Aquila, L'Aquila, Abruzzo. Orto Botanico dell'Università. From Verbicaro, Calabria. Cultivated. Seed.

442810. *Medicago sativa* L. (Fabaceae) Alfalfa.

From Canada. Donated by R. Loiselle, The Plant Gene Resources of

442810-continued

Canada, Research Branch, Agriculture Canada, Ottawa, Ontario.
Received April 1980.

PGR 5106. 'Trek'. Cultivated. Seed.

442811 TO 442823. *Coffea arabica* L. (Rubiaceae) Coffee.

From Portugal. Donated by C. J. Rodrigues, Jr., Centro de Investigacao das Ferrugens do Cafeeiro, Estacao Agronomica Nacional, Oeiras.
Received May 1980.

442811. CIPC 9025. CIPC HW 26 = 19/1 Caturra Vermelho x 832/1 Hibrido de Timor. Mother plant UFV 386-45 (F3). Resistant to coffee rust. Cultivated. Plants.
442812. CIPC 9026. CIPC HW 26 = 19/1 Caturra Vermelho x 832/1 Hibrido de Timor. Mother plant UFV 386-52-244 (F4). Resistant to coffee rust. Cultivated. Plants.
442813. CIPC 9027. CIPC HW 26 = 19/1 Caturra Vermelho x 832/1 Hibrido de Timor. Mother plant UFV 386-52-327 (F4). Resistant to coffee rust. Cultivated. Plants.
442814. CIPC 9028. CIPC HW 26 = 19/1 Caturra Vermelho x 832/1 Hibrido de Timor. Mother plant UFV 386-52-228 (F4). Resistant to coffee rust. Cultivated. Plants.
442815. CIPC 9029. CIPC HW 26 = 19/1 Caturra Vermelho x 832/1 Hibrido de Timor. Mother plant UFV 386-45-434 (F4). Resistant to coffee rust. Cultivated. Plants.
442816. CIPC 9030. CIPC HW 26 = 19/1 Caturra Vermelho x 832/1 Hibrido de Timor. Mother plant UFV 386-45-435 (F4). Resistant to coffee rust. Cultivated. Plants.
442817. CIPC 9031. CIPC HW 26 = 19/1 Caturra Vermelho x 832/1 Hibrido de Timor. Mother plant UFV 386-45-711 (F4). Resistant to coffee rust. Cultivated. Plants.
442818. CIPC 9032. CIPC HW 26 = 19/1 Caturra Vermelho x 832/1 Hibrido de Timor. Mother plant UFV 386-45-714 (F4). Resistant to coffee rust. Cultivated. Plants.
442819. CIPC 9033. CIPC HW 26 = 19/1 Caturra Vermelho x 832/1 Hibrido de Timor. Mother plant UFV 386-45-2 (F4). Resistant to coffee rust. Cultivated. Plants.
442820. CIPC 9034. CIPC HW 26 = 19/1 Caturra Vermelho x 832/1 Hibrido de Timor. Mother plant UFV 386-45-25 (F4). Resistant to coffee rust. Cultivated. Plants.

442811 TO 442823-continued

442821. CIFC 9035. CIFC HW 26 = 19/1 Caturra Vermelho x 832/1
Hibrido de Timor. Mother plant UFV 386-45-48 (F4).
Resistant to coffee rust. Cultivated. Plants.

442822. CIFC 9036. CIFC HW 26 = 19/1 Caturra Vermelho x 832/1
Hibrido de Timor. Mother plant UFV 386-45-51 (F4).
Resistant to coffee rust. Cultivated. Plants.

442823. CIFC 9037. CIFC HW 26 = 19/1 Caturra Vermelho x 832/1
Hibrido de Timor. Mother plant UFV 386-45-79 (F4).
Resistant to coffee rust. Cultivated. Plants.

442824. *Lycopersicon esculentum* Mill. (Solanaceae) Tomato.

From China, Peoples Repub of. Donated by H. Chen, Beijing
Vegetable Research Institute, Beijing.
Received June 1980.

No. 201 (Tm 2). May have resistance or tolerance to
tobacco mosaic virus. Cultivated. Seed.

442825. *Canna indica* L. (Cannaceae).

From Brazil. Donated by D.C. Giacometti, Centro National de
Recursos Geneticos (Cenargen), Empresa Brasileira de Pesquisa
Agropecuaria, Brasilia.
Received May 1980.

Caete. Pocone, Mato Grosso. Flowers almost white. Wild.
Seed.

442826. *Citrullus lanatus* (Thunb.) Matsum. & Nakai (Cucurbitaceae)
Watermelon.

From Brazil. Donated by D.C. Giacometti, Centro National de
Recursos Geneticos (Cenargen), Empresa Brasileira de Pesquisa
Agropecuaria, Brasilia.
Received May 1980.

CNC-1 (Corumba). Corumba, Mato Grosso. Wild. Seed.

442827. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From Bolivia. Donated by J.L. Brewbaker, Department of
Horticulture, University of Hawaii, Honolulu, Hawaii.
Received October 1979.

K 498. Collected 1978. Santa Cruz. Obtained from B.T.

442827-continued

Peterson. Plants probably "Giant" or "Peru" type. Seeds large. Tree. Seed.

442828. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From Indonesia. Collected by M. Benge, Agency for International Development, U.S. Department of State, Washington, D.C.
Received October 1979.

Department of Horticulture, Univ. of Hawaii. K 496.
Collected 1978. Plants "Common" type. Probably escape from cultivation. Tree. Wild. Seed.

442829. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From Thailand. Collected by M. Benge, Agency for International Development, U.S. Department of State, Washington, D.C.
Received October 1979.

Department of Horticulture, Univ. of Hawaii. K 495.
Collected 1978. Drug Abuse Station (UNDE/FAO), near Chiangmau. Plants vigorous, probably recent introduction. Local name Katin Kenya. Tree. Cultivated. Seed.

442830. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From United States. Collected by J.L. Brewbaker, Department of Horticulture, University of Hawaii, Honolulu, Hawaii.
Received October 1979.

K 497. Collected 1978. On young lava, near Hoonau, Hawaii. Shrubs, "Common" type, short, to 3m. Extreme drought tolerance. Perennial woody. Wild. Seed.

442831 TO 442832. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From Philippines. Donated by J.L. Brewbaker, Department of Horticulture, University of Hawaii, Honolulu, Hawaii.
Received October 1979.

442831. K 492. Collected 1978. Provident Tree Farm, Victoria, Mindoro. Obtained from J. Somebang. Plants vigorous, "Common" type. Common name Ipil-ipil. Tree. Seed.

442832. K 494. Near Davao, Mindanao. Plants "Common" type. Tree. Wild. Seed.

442833. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From Philippines. Collected by M. Bengé, Agency of International Development, U.S. Department of State, Washington, D.C.
Received October 1979.

Department of Horticulture, Univ. of Hawaii. K 493.
Collected 1978. Butuan, Mindanao. Plants "Giant" type,
high wood density. Tree. Cultivated. Seed.

442834. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Donated by T. C. Tso, Tobacco Laboratory, USDA, Beltsville, Maryland.
Received May 1980.

Market near Quilin, Kwansi Province. Commonly grown by
local farmers. Cultivated. Seed.

442835 TO 442845. *Vitis vinifera* L. (Vitaceae) European grape.

From Australia. Donated by A. Antcliff, Division of Horticultural Research, Commonwealth Scientific and Industrial Research Organization, Merbein, Victoria. Received through A. C. Goheen, Department of Plant Pathology, Univ. of California, Davis.
Received February 1980.

442835. 'Aledo'. Donated August 1979. Cultivar. Cuttings.

442836. 'Askari'. Donated June 1978. Cultivar. Cuttings.

442837. 'Biancone'. Donated June 1978. Cultivar. Cuttings.

442838. 'Black Hamburg'. Donated June 1978. Cultivar. Cuttings.

442839. 'Chaouch'. Donated June 1978. Cultivar. Cuttings.

442840. 'Folle Blanche'. Donated June 1978. Cultivar. Cuttings.

442841. 'MG25-91'. Donated June 1978. Cultivar. Cuttings.

442842. 'MM15-88'. Donated August 1979. Cultivar. Cuttings.

442843. 'Queen of the Vineyard'. Donated June 1978. Cultivar.
Cuttings.

442844. 'Russian Seedless'. Donated August 1979. Cultivar.
Cuttings.

442845. 'Sultana Moschata'. Donated June 1978. Cultivar.
Cuttings.

442846. *Vitis* sp. (Vitaceae).

From Bolivia. Collected by A. C. Goheen, Dept. of Plant Pathology, Univ. of California, Davis, California. Received February 1980.

Collected March 1979. Camargo. Cuttings.

442847. *Vitis vinifera* L. (Vitaceae) European grape.

From Canada. Donated by C. Pollard, Post-entry Quarantine Station, Sidney, British Columbia. Received through A.C. Goheen, Department of Plant Pathology, Univ. of California, Davis. Received February 1980.

'Ortega'. Donated February 1979, Cultivar. Cuttings.

442848. *Vitis vinifera* L. (Vitaceae) European grape.

From Chile. Donated by J. Pandol, Delano, California. Received through A.C. Goheen, Department of Plant Pathology, Univ. of California, Davis. Received February 1980.

Gargiulo. Argentina. Donated June 1979. Cultivar. Cuttings.

442849. *Vitis flexuosa* Thunb. (Vitaceae).

From Costa Rica. Donated by A. Ingalls, Puntarenas, Montezuma. Received through A.C. Goheen, Department of Plant Pathology, Univ. of California, Davis. Received February 1980.

Donated November 1977. Male and female vines. Cultivated. Cuttings.

442850. *Vitis* hybrid (Vitaceae).

From Israel. Donated by R. Kimelmann, Department of Horticulture, Hakirya, Tel-Aviv. Received through A.C. Goheen, Department of Plant Pathology, Univ. of California, Davis. Received February 1980.

'Hochberg 48'. *V. vinifera* x *V. berlandieri*. Donated April 1978. Cultivar. Cuttings.

442851 TO 442854. *Vitis vinifera* L. (Vitaceae) European grape.

From Israel. Donated by R. Kimelmann, Department of Horticulture, Hakiryia, Tel-Aviv. Received through A.C. Goheen, Department of Plant Pathology, Univ. of California, Davis.
Received February 1980.

442851. 'Arnon'. Donated April 1978. Cultivar. Cuttings.

442852. 'Dabouki'. Donated April 1978. Cultivar. Cuttings.

442853. 'Dan Ben Chana'. Donated April 1978. Cultivar. Cuttings.

442854. 'Tamar'. Donated April 1978. Cultivar. Cuttings.

442855 TO 442857. *Vitis vinifera* L. (Vitaceae) European grape.

From Italy. Donated by G. Martelli, Istituto di Patologia Vegetale, Bari. Received through A.C. Goheen, Department of Plant Pathology, Univ. of California, Davis.
Received February 1980.

442855. 'Corniola'. Donated April 1978. Cultivar. Cuttings.

442856. 'Perricone'. Donated April 1978. Cultivar. Cuttings.

442857. 'Primus'. Donated April 1978. Cultivar. Cuttings.

442858 TO 442859. *Vitis vinifera* L. (Vitaceae) European grape.

From Italy. Donated by Universita Degli Studi, Istituto di Patologia Vegetale, Palermo. Received through A.C. Goheen, Department of Plant Pathology, Univ. of California, Davis.
Received February 1980.

442858. 'Catarratto'. Donated February 1979. Cultivar. Cuttings.

442859. 'Somarello Rosso'. Donated August 1979. Cultivar. Cuttings.

442860. *Vitis vinifera* L. (Vitaceae) European grape.

From Mexico. Donated by Ing. R. Anaya R., Ingeneric Agronomo, Torreon, Coahuila. Received through A.C. Goheen, Department of Plant Pathology, Univ. of California, Davis.
Received February 1980.

'Isabelina'. Donated March 1979. Cultivar. Cuttings.

442861. *Vitis acerifolia* Raf. (Vitaceae).

From Mexico. Collected by A. C. Goheen, Department of Plant Pathology, Univ. of California, Davis, California.
Received February 1980.

Collected October 1978. Parras, Coahuila. Cultivated.
Cultivar. Cuttings.

442862. *Vitis vinifera* L. (Vitaceae) European grape.

From Mexico. Collected by A. C. Goheen, Department of Plant Pathology, Univ. of California, Davis, California.
Received February 1980.

'Bola Dulce'. Collected October 1978. Gomez Falacio,
Durango. Cultivar. Cuttings.

442863. *Vitis vinifera* L. (Vitaceae) European grape.

From South Africa. Donated by A. T. Haeyns, Stellenbosch Fruit & Fruit Technical Research Institute, Stellenbosch. Received through A.C. Goheen, Department of Plant Pathology, Univ. of California, Davis.
Received February 1980.

'Bien Donne'. Donated August 1979. Cultivar. Cuttings.

442864 TO 442866. *Vitis vinifera* L. (Vitaceae) European grape.

From Spain. Donated by A. Garcia, Departamento de Viticultura y Enologia, Instituto Nacional de Investigaciones Agrarias, Jerez de la Frontera. Received through A.C. Goheen, Department of Plant Pathology, Univ. of California, Davis.
Received February 1980.

442864. 'Palomino No. 1-46'. Donated March 1979. Cultivar.
Cuttings.

442865. 'Palomino No. 1-48'. Donated March 1979. Cultivar.
Cuttings.

442866. 'Palomino No. 2-49'. Donated March 1979. Cultivar.
Cuttings.

442867. *Vitis vinifera* L. (Vitaceae) European grape.

From Germany, Federal Rep of. Donated by Staatliche Lehr- und Versuchsanstalt, fur Wein- und Obstbau Weinsberg, Lauffen.
Received through A.C. Goheen, Department of Plant

442867-continued

Pathology, Univ. of California, Davis.
Received February 1980.

'Kerner'. Donated February 1978. Cultivated. Cuttings.

442868 TO 442869. *Vitis vinifera* L. (Vitaceae) European grape.

From Yemen (Sana). Collected by S. Badr, Department of Plant Science, California State University, Fresno, California.
Received February 1980.

442868. 'A'asemi'. Collected March 1979. Sana. Cultivar. Cuttings.

442869. 'Aswad'. Collected March 1979. Sana. Cultivar. Cuttings.

442870. *Paspalum distichum* L. (Poaceae) Knotgrass.

From India. Collected by M. Sitara, Department of Botany, Karnatak University, Dharwar - 580 003.
Received February 1980.

10. Seed.

442871. *Paspalum scrobiculatum* L. (Poaceae) Kodo.

From India. Collected by M. Sitara, Department of Botany, Karnatak University, Dharwar - 580 003.
Received February 1980.

3. Marshy side of pond near Kyarakoppa diversion, Dharwar. Wild. Seed.

442872 TO 442873. *Paspalum scrobiculatum* L. (Poaceae) Kodo.

From India. Collected by M. Sitara, Department of Botany, Karnatak University, Dharwar - 580 003.
Received February 1980.

442872. 2. Grassland Botanical Garden, Karnatak Univ., Dharwar. Plants erect. Leaves to 16cm long, 6-7mm wide. Spikes 2 to 3. Perennial herb. Wild. Seed.

442873. 6. Paddy fields, Halyal Road, Dharwar. Plants to 1.2m tall. Leaves 15cm long, 8mm wide. Spikes 2 to 4. Perennial herb. Wild. Seed.

442874. *Bromus inermis* Leyss. (Poaceae) Smooth bromegrass.

From China, Peoples Repub of. Donated by Beijing University of Agriculture, Beijing. Received through R. J. Kuhr, Cornell University, Ithaca, New York.
Received May 1980.

Seed.

442875. *Elymus sibiricus* L. (Poaceae) Wildrye.

From China, Peoples Repub of. Donated by Beijing University of Agriculture, Beijing. Received through R. J. Kuhr, Cornell University, Ithaca, New York.
Received May 1980.

Received as *Clinelymus sibiricus*. Seed.

442876 TO 442877. *Medicago sativa* L. (Fabaceae) Alfalfa.

From China, Peoples Repub of. Donated by Beijing University of Agriculture, Beijing. Received through R. J. Kuhr, Cornell University, Ithaca, New York.
Received May 1980.

442876. Sinkiang. Seed.

442877. Northeastern region. Seed.

442878 TO 442881. *Triticum aestivum* L. (Poaceae) Common wheat.

From China, Peoples Repub of. Donated by Beijing University of Agriculture, Beijing. Received through R. J. Kuhr, Cornell University, Ithaca, New York.
Received May 1980.

442878. Jing xuan no. 8. From Beijing (Peking). Cultivated. Seed.

442879. Yen-da 24. From Henan. Cultivated. Seed.

442880. Yen-da 25. From Henan. Cultivated. Seed.

442881. Yen-da 72-629. From Henan. Cultivated. Seed.

442882 TO 442885. *Zea mays* L. (Poaceae) Field corn.

From China, Peoples Repub of. Donated by Beijing University of Agriculture, Beijing. Received through R. J. Kuhr, Cornell University, Ithaca, New York.
Received May 1980.

442882 TO 442885-continued

442882. K 69. From Kirin. Inbred. Medium maturity. Cultivated. Breeding material. Seed.
442883. Tsi 31. From Shangtung. Inbred. Medium maturity. Cultivated. Breeding material. Seed.
442884. Wu 105. From Wu-kong, Shensi. Inbred. Late maturity. Cultivated. Breeding material. Seed.
442885. Ye Chi Hong. From Beijing (Peking). Inbred. Early flint type. Name means "Turkey red". Cultivated. Breeding material. Seed.

442886. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From United States. Donated by Pearl Pulford, Newport, Washington. Received April 1979.

From crow of a wild goose, Columbia Basin, Washington. Seeds white, round. Cultivated. Seed.

442887 TO 442888. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From United States. Donated by G.R. Claussen, Puyallup, Washington. Received April 1979.

442887. Hills southwest of Hayesville, North Carolina. Bush type. Flowers cream colored. Seeds white. Local name Tarheel bean. Cultivated. Seed.
442888. Hills southwest of Hayesville, North Carolina. Pole type. Flowers cream colored. Seeds white. Local name Tarheel bean. Cultivated. Seed.

442889. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From United States. Donated by Mrs. Cecil Schull, c/o USDA Cereal Genetics Research Unit, University of Missouri, Columbia, Missouri. Received April 1979.

Cut Short. Originally from southern Missouri. Heirloom, bush type. Seeds buff with dark streaks. Some drought tolerance. Cultivated. Seed.

442890. *Lycopersicon esculentum* Mill. (Solanaceae) Tomato.

From United States. Donated by W.R. Simpson, Parma Branch

442890-continued

Experiment Station, University of Idaho, Parma, Idaho.
Received April 1979.

Cultivated. Seed.

442891. *Lactuca sativa* L. (Asteraceae) Lettuce.

From Israel. Donated by Division of Plant Introduction, The
Volcani Center, Bet-Dagan.
Received June 1980.

Rinat Hakfar. Probably similar to PI 211118 under the
same name. Cultivated. Seed.

442892. *Medicago littoralis* Rohde ex Loisel. (Fabaceae).

From Australia. Donated by J. Brockwell, Division of Plant
Industry, Commonwealth Scientific and Industrial Research
Organization, Canberra City, A.C.T.
Received June 1980.

Annual. Cultivated. Seed.

442893. *Medicago rugosa* Desr. (Fabaceae).

From Australia. Donated by J. Brockwell, Division of Plant
Industry, Commonwealth Scientific and Industrial Research
Organization, Canberra City, A.C.T.
Received June 1980.

'Paragosa'. Annual. Cultivated. Seed.

442894. *Medicago tornata* (L.) Mill. (Fabaceae) Medic.

From Australia. Donated by J. Brockwell, Division of Plant
Industry, Commonwealth Scientific and Industrial Research
Organization, Canberra City, A.C.T.
Received June 1980.

'Tornafield'. Annual. Cultivated. Seed.

442895 TO 442896. *Medicago truncatula* Gaertn. (Fabaceae) Barrelclover.

From Australia. Donated by J. Brockwell, Division of Plant
Industry, Commonwealth Scientific and Industrial Research
Organization, Canberra City, A.C.T.
Received June 1980.

442895 TO 442896-continued

442895. 'Jemalong'. Annual. Cultivated. Seed.

442896. 'Cyprus'. Annual. Cultivated. Seed.

442897 TO 442898. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. Donated by Cereal Rust Laboratory, USDA, University of Minnesota, St. Paul, Minnesota. Received through the Uniform Spring Wheat Rust Nursery Program-1980. Received April 1980.

442897. BtSr30Wst. Baart/Webster. Carries Sr30 for *Puccinia graminis* resistance. Annual. Cultivated. Seed.

442898. Steinweld Sel. Sr22TB. Carries SR22 for *Puccinia graminis* resistance. Annual. Cultivated. Seed.

442899 TO 442918. *Triticum aestivum* L. (Poaceae) Common wheat.

From Australia. Donated by Plant Breeding Institute, The University of Sydney, Castle Hill, New South Wales. Received through the Uniform Spring Wheat Rust Nursery Program-1980. Received April 1980.

442899. 'Banks'. QT 4081 PWTB/Condor sib//2*Condor. Plants semidwarf. Seeds hard white, excellent bread-making quality. Carries Sr8, Sr9b, probably Sr12 plus, *Puccinia graminis* resistance. Annual. Cultivated. Cultivar. Seed.

442900. 'Cook'. Tingalen/Condor sib//Condor. Plants semidwarf. Seeds hard white, excellent bread-making quality. Carries Sr5, Sr6, Sr8, SrTt1 for *Puccinia graminis* reaction, Lr3 for *Puccinia recondita* reaction. Annual. Cultivated. Cultivar. Seed.

442901. 'Egret'. Heron/2*WW15. WW15=Lerma Rojo//Norin 10/Erevor 15/3/3*Andes. Plants semidwarf. Seeds soft white, biscuit quality. Carries Sr5, Sr8, Sr9b plus for *Puccinia graminis* f.sp. *tritici* reaction. Used as control for leaf rust reaction. Annual. Cultivated. Cultivar. Seed.

442902. 'Kite'. Norin 10/Brevor, 14//4*Eureka/3/T-A/3*Falcon/4/T-A/4*Falcon/5/T-A/5*Falcon. T-A=Thatcher + Sr26. Plants semidwarf. Seeds hard white. Carries Sr26 for *Puccinia graminis* reaction, susceptible to *Puccinia recondita*. Annual. Cultivated. Cultivar. Seed.

442903. 'Millewa'. DX6-79=Sonora 64/Yaqui 50//Gaboto/Mexico 8156. Carries Sr8, Sr9b plus, may be heterogeneous for some genes, *Puccinia graminis* resistance. Annual. Cultivated.

442899 TO 442918-continued
Cultivar. Seed.

442904. 'Songlen'. Lerma Rojo 64/Sonora 64A//Tingalen sib. Plants semidwarf. Seeds hard white, good bread-making quality. Carries Sr2, Sr5, Sr6, Sr8, SrTt1 plus for reaction to Puccinia graminis, Lr17 for resistance to Puccinia recondita. Annual. Cultivated. Cultivar. Seed.
442905. SUN 25U. Kalyon 227A/6/Gamut sib/5/Minsel.Arg.KND/4/Mengavi/3/Gam//Mengavi/T.Fer. Seeds hard white. Annual. Cultivated. Breeding material. Seed.
442906. SUN 27B. Complex pedigree. Seeds hard white. Suspected to carry Sr5, Sr12, Sr13, possibly two Puccinia recondita-resistance genes derived from FKN. Annual. Cultivated. Breeding material. Seed.
442907. SUN 43A. Cj 71/6/Gamut sib/5/MN Sel/Agr/Kanred/4/Meng/3/Gya//Meng/Tf/7/Songlen sib. Seeds hard white. Probably L413, Sr2, Sr12, SrTt1 plus, Puccinia graminis and recondita resistance. Annual. Cultivated. Breeding material. Seed.
442908. TR 380.16. Gamut sib/5/Mengavi/2/Gamenya/Gabo/3/FSB Gabo/4/Mengavi/FKN/6/Sonora 64A. Seeds hard white, excessive yellow flour pigments. Carries Sr9b plus for Puccinia graminis reaction, Lr1 for Puccinia recondita reaction. Annual. Cultivated. Breeding material. Seed.
442909. Condor Sel. P44. Single selection from Condor,=WW80/2*WW15. WW80=Penjamo 62/4*Gabo 56//TZPP/Nainari 60. Plants semidwarf. Seeds hard white. Carries Sr6, Sr8 plus for Puccinia graminis reaction, Puccinia recondita susceptible. Annual. Cultivated. Breeding material. Seed.
442910. K. SUPY. Kenya/Supremo/Yaqui. Seeds probably soft red. Puccinia graminis resistance in seedling and adult stages, genotype unknown, Lr3 for Puccinia recondita resistance. Annual. Cultivated. Breeding material. Seed.
442911. Line AA. Carries Sr9b for Puccinia graminis reaction. Derived from Kenya wheats. Annual. Cultivated. Breeding material. Seed.
442912. Line F. Carries Sr10 for Puccinia graminis reaction. Derived from Egypt NA 95. Annual. Cultivated, Breeding material. Seed.
442913. Line S. Carries Sr13 for Puccinia graminis reaction. Derived from Khapstein (Khapli). Annual. Cultivated. Breeding material. Seed.

442899 TO 442918-continued

442914. Vernstein. Carries Sr9e for Puccinia graminis reaction. Derived from Vernstein (Vernal, Yuma). Annual. Cultivated. Seed.
442915. Line W Sel. Hexaploid/Triticum timopheevi, SRTT-2. Annual. Cultivated. Breeding material. Seed.
442916. Vernstein Sel. W 2691*2/2/Steinwedel*3/CI 7778, Sr9e. Carries Sr9e for Puccinia graminis reaction. Annual. Cultivated. Breeding material. Seed.
442917. W 2691 SR6. Carries Sr6 for Puccinia graminis reaction. Annual. Cultivated. Breeding material. Seed.
442918. W 2691 SR11. Carries Sr11 for Puccinia graminis reaction. Annual. Cultivated. Breeding material. Seed.

442919. *Gossypium arboreum* L. (Malvaceae) Ceylon cotton.

From India. Donated by World Bank Cotton Project, Ministry of Agriculture & Irrigation, New Delhi 11001.
Received June 1980.

Sanjay. Cultivated. Seed.

442920 TO 442922. *Gossypium herbaceum* L. (Malvaceae) Levant cotton.

From India. Donated by World Bank Cotton Project, Ministry of Agriculture & Irrigation, New Delhi 11001.
Received June 1980.

442920. Digvijay. Cultivated. Seed.

442921. G. Cot-11. Cultivated. Seed.

442922. V-797. Cultivated. Seed.

442923 TO 442924. *Rhododendron arborescens* (Pursh) Torr. (Ericaceae).

From United States. Collected by N. E. Pellett, Department of Plant and Soil Science, University of Vermont, Burlington, Vermont.
Received March 1980.

442923. 114. Collected October 31, 1979. Top of Wayah Bald Mtn., North Carolina, lat. 35 deg. 9' N. 1700m. Plants 1 to 2.1m tall, erect, spreading. Flowers usually with white corolla, some with touch of yellow on upper corolla. Seeds from numerous plants. Wild. Seed.

442923 TO 442924-continued

442924. 134. Collected October 16, 1979. Near Cheat River Bridge, Randolph Co., West Virginia, lat. 38 deg. 37' N. 1067m. Collected by W. L. Tolstead, near upper limit of elevation distribution in West Virginia. Plants 2.4 to 3.7m tall, erect. Leaves glabrous. Wild. Seed.

442925 TO 442929. *Rhododendron calendulaceum* (Michx.) Torr.
(Ericaceae).

From United States. Collected by N. E. Pellett, Department of Plant and Soil Science, University of Vermont, Burlington, Vermont.

Received March 1980.

442925. 112. Collected October 31, 1979. Roadside, 1.9km from top of Wayah Bald, North Carolina. Plants 2-3m tall. Flowers yellow to bright red. Local name Flame azalea. Seeds from numerous plants. Wild. Seed.
442926. 118. Collected October 31, 1979. On Mt. Pisgah Trail near mountain top. 1666m. Plants 2.7-3m tall. Flowers yellow-orange to orange-red. Local name Flame azalea. Seeds from 3-4 plants. Wild. Seed.
442927. 125. Collected November 01, 1979. Ledge above road, Blue Ridge Parkway Milepost 388.5. 1125m. Plants 1.8-2.1m tall. Flowers red. Local name Flame azalea. Seeds from 3 plants. Wild. Seed.
442928. 130. Collected October 16, 1979. Dolly Sods area, Tucker County, West Virginia. Lat. 38 Deg. 58' N. 1220m. Collected by W. L. Tolstead. Plants 1 to 2m tall, erect. Local name Flame azalea. Wild. Seed.
442929. 133. Collected October 19, 1979. Tolstead Farm, Kerens, Randolph County, West Virginia. 700m. Collected by W. L. Tolstead. Plants 2-3m tall. Flowers in May, yellow-orange to red-orange. Local name Flame azalea. Seeds from numerous plants. Wild. Seed.

442930 TO 442931. *Rhododendron canadense* (L.) Torrey (Ericaceae).

From United States. Collected by N. E. Pellett, Department of Plant and Soil Science, University of Vermont, Burlington, Vermont.

Received March 1980.

442930. 66. Collected October 06, 1978. Packardville Cem., Pelham, Mass. Lat. 42 deg. 21' N, Long. 72 deg. 23' W. 279m. Plants 1-2m tall growing with viscosum on edge of

442930 TO 442931-continued

bog. Local name Rhodora. Wild. Seed.

442931. 73. Collected October 11, 1978. Along Route 114, 8.9km N of Island Pond, Vermont. Lat. 44 deg. 52.5' N. 402m. Plants numerous, 0.7-1.3m tall. Local name Rhodora. Wild. Seed.

442932 TO 442936. *Rhododendron catawbiense* Michx. (Ericaceae).

From United States. Collected by N. E. Pellett, Department of Plant and Soil Science, University of Vermont, Burlington, Vermont.

Received March 1980.

442932. 50. Collected October 06, 1978. South slope of Water Rock Knob, Blue Ridge Parkway, North Carolina. 1740m. Collected by K. Brainerd. Plants 2.5-5m tall. Seeds from 15-20 plants. Local name Catawba rhododendron. Wild. Seed.
442933. 60. Collected October 07, 1978. Top of Roan Mountain, Tennessee. Lat. 36 deg. 6' N. 1920m. Collected by K. Brainerd. Near upper limit of elevation range. Plants 1 to 4m tall. Flowers pink to lavender or purplish. Local name Catawba rhododendron. Wild. Seed.
442934. 62. Collected October 07, 1978. Open area along trail from Blue Ridge Pkwy. to Craggy Pinnacle, N. C. Collected by K. Brainerd. Plants 1.3 to 3.7m tall. Seeds from about 30 plants. Local name Catawba rhododendron. Wild. Seed.
442935. 75A. Collected October 11, 1978. Irasburg Cemetery, 1.6km North of Irasburg, Vermont, 32.5km south of Canada. Collected by D. Evert. Single plant, round and compact. Flowered every year in last 5 with little injury. Flowers pink like *Roseum elegans*. Local name Catawba rhododendron. Cultivated. Seed.
442936. 126. Collected November 01, 1979. Near Ranger sta., Mt. Mitchell State Pk., North Carolina. Lat. 35 deg. 46' N. 1981m. Near upper limit of elevation range. Plants 2.4 to 4m tall, 2.4 to 3m wide, erect. Flowers pink to lavender. Local name Catawba rhododendron. Wild. Seed.

442937 TO 442938. *Rhododendron* hybrid (Ericaceae).

From United States. Collected by N. E. Pellett, Department of Plant and Soil Science, University of Vermont, Burlington, Vermont.

Received March 1980.

442937. 110. Collected October 30, 1979. Top of Gregory Bald Mt.,

442937 TO 442938-continued

Great Smoky Mts., Tennessee. Lat. 35 deg. 31' N. 1520m. Natural hybrids of *R. arborescens*, *takeri*, *viscosum*. Plants vary from 0.9 to 3m tall. Flowers of various colors, intermediate characteristics. Composite seed sample. Wild. Seed.

442938. 127. Collected October 29, 1979. Blue Ridge Parkway, mile marker 332.9, North Carolina. 1128m. Hybrids of *R. carolinianum* and *minus*. Plants 2.4 to 3m tall, 2m wide. Leaves 5 to 7.6cm long, elliptic. Flowers pale purple, late-flowering. Wild. Seed.

442939 TO 442941. *Rhododendron prinophyllum* (Small) Millais
(Ericaceae).

From United States. Collected by N. E. Pellett, Department of Plant and Soil Science, University of Vermont, Burlington, Vermont.

Received March 1980.

442939. 74. Collected October 11, 1978. Ithial Falls, 4.8km W of Johnson, Vt. on Lamoille River. Lat. 44 deg. 39' N. 135m. Near Northern limit of range. Plants 0.9 to 2.8m. Flowers pink. Local name Mountain pinks or Roseshell azalea. Wild. Seed.

442940. 131. Collected October 16, 1979. Dolly Sods, Tucker County, West Virginia. Lat. 38 deg. 31' N. 1210m. Collected by W. L. Tolstead. Near upper limit elevation range. Plants 0.9 to 2.4m tall, erect. Flowers pink, little color variation. Local name Roseshell azalea. Wild. Seed.

442941. 65. Collected October 05, 1978. Woodland, 8.2km from Summit, NY. Lat. 42 deg. 33' N, long. 74 deg. 32' W. 3660m. About 100m behind barn of former O. Dibble farm. Plants erect, vase-shaped, 2.6-3.5m tall. Seeds from more than 15 plants. Local name Roseshell azalea. Wild. Seed.

442942. *Rhododendron vaseyi* Gray (Ericaceae).

From United States. Collected by N. E. Pellett, Department of Plant and Soil Science, University of Vermont, Burlington, Vermont.

Received March 1980.

117. Collected October 31, 1979. Roadside, Blue Ridge Pkwy., Milepost 417R. Near Looking Glass Rock pull off. 1340m. Plants 1-2m tall. Seeds from 4-6 plants. Wild. Seed.

442943. *Rhododendron viscosum* (L.) Torrey (Ericaceae).

From United States. Collected by N. E. Pellett, Department of Plant and Soil Science, University of Vermont, Burlington, Vermont.

Received March 1980.

68. Collected October 06, 1978. Bog, Packerville Cem., Pelham, MA. Lat. 42 deg. 21' N, long. 72 deg. 23.5' W. 280m. Plant foliage variable from glaucous to glabrous. Plants 2.5 to 3.5m tall. Seeds from 15-20 plants. Wild. Seed.

442944 TO 442946. *Paeonia lactiflora* Pall. (Ranunculaceae).

From Soviet Union. Donated by Hortus Botanicus Instituti Botanici Academiae Scientiarum, Lithuania. Received through N.I. Vavilov Institute of Plant Industry, 44 Herzenstreet, Leningrad. Received May 1979.

442944. Garbi Motina. Cultivar. Plants.

442945. Prof. Grybauskas. Cultivar. Plants.

442946. Virgilius. Cultivar. Plants.

442947 TO 443013. *Oryza sativa* L. (Poaceae) Rice.

From Philippines. Donated by International Rice Institute, Manila. Received May 1980.

442947. IRRI 595. Inibabaw. Cultivated. Seed.

442948. IRRI 647. C47-63. Cultivated. Seed.

442949. IRRI 650. MTU 1. Cultivated. Seed.

442950. IRRI 1287. Leng Kwang. Cultivated. Seed.

442951. IRRI 10878. Yoneshiro. Cultivated. Seed.

442952. IRRI 11333. Agbede. Cultivated. Seed.

442953. IRRI 11334. E425. Cultivated. Seed.

442954. IRRI 11335. OS4. Cultivated. Seed.

442955. IRRI 11336. OS6. Cultivated. Seed.

442956. IRRI 11781. Ta Tsu Mi Mochi. Cultivated. Seed.

442957. IRRI 12904. Khao Lo. Cultivated. Seed.

442947 TO 443013-continued

442958. IRRI 21179. ARC 11056. Cultivated. Seed.
442959. IRRI 23455. Khao Lep Xang. Cultivated. Seed.
442960. IRRI 23500. Khoa Nhouaknoi. Cultivated. Seed.
442961. IRRI 23741. Khamu. Cultivated. Seed.
442962. IRRI 24095. Leb Chahng. Cultivated. Seed.
442963. IRRI 24110. Khao Khae. Cultivated. Seed.
442964. IRRI 31536. Ruruwee. Cultivated. Seed.
442965. IR5. 78 IRLRON. Cultivated. Seed.
442966. IR24. PR103. India. IR661-1-140-3. Punjab. For irrigated farms, late planting. Cultivated. Seed.
442967. IR26. 78 IRTN. Cultivated. Seed.
442968. IR28. BR6. Bangladesh. IR2061-214-3-8-2. Cultivated. Seed.
442969. IR30. India. Cultivated. Seed.
442970. IR34. India. Cultivated. Seed.
442971. IR36. NN3A. Viet-Nam, Republic of. IR2071-625-1. For irrigated farms. 79 IBCTN. Cultivated. Seed.
442972. IR38. Indonesia. IR2070-423-2. Popular in East Java. Resistant to brown planthopper biotype 2. Cultivated. Seed.
442973. IR43. IR1529-430-3. For dryland areas. Drought tolerant. Cultivated. Seed.
442974. IR44. IR2863-38-1. For irrigated farms. Resistant to major diseases and insects. Cultivated. Seed.
442975. IR45. IR2035-242. For dryland areas. Drought tolerant. Cultivated. Seed.
442976. IR46. IR2058-78-1. For rainfed-wetland. Cultivated. Seed.
442977. IR442-2-58. IRDWON. Cultivated. Seed.
442978. IR1746-194-1-1-1. 78 IRLRON. Cultivated. Seed.
442979. IR1746-226-1-1-4. 78 IURON, 78 IRLRON. Cultivated. Seed.

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- 442980. IR1750-F5B-5. 78 IURON. Cultivated. Seed.
- 442981. IR2035-117-3. 78 IRLRON. Cultivated. Seed.
- 442982. IR2035-227-1. 78 IURON. Cultivated. Seed.
- 442983. IR2035-242-1. 78 IBLRON. Cultivated. Seed.
- 442984. IR2061-522-6-9. 78 IURON. Cultivated. Seed.
- 442985. IR2061-628-1-6-4-3. 78 IURON. Cultivated. Seed.
- 442986. IR3259-P5-160-1. 79 IRON. Cultivated. Seed.
- 442987. IR3304-23. 78 IRBN. Cultivated. Seed.
- 442988. IR3839-1. 78 IURON. Cultivated. Seed.
- 442989. IR3880-10. 78 IRLRON. Cultivated. Seed.
- 442990. IR3880-17. 78 IRLRON. Cultivated. Seed.
- 442991. IR3880-29. 78 IURON. Cultivated. Seed.
- 442992. ARC 10372. 78 IURON. Cultivated. Seed.
- 442993. AUS 61. 78 IURON. Cultivated. Seed.
- 442994. B9c-Md-3-3. 78 IURON. Cultivated. Seed.
- 442995. Binaritos. 78 IRLRON. Cultivated. Seed.
- 442996. BPI 78 (N.S.). 79 IRLRON. Cultivated. Seed.
- 442997. C46-15/IR24 2. 78 IURON. Cultivated. Seed.
- 442998. C166-135. 78 IURON. Cultivated. Seed.
- 442999. Ctg 1516. 78 IURON. Cultivated. Seed.
- 443000. DJ 29. 78 IURON. Cultivated. Seed.
- 443001. DM 59. 78 IRBN. Cultivated. Seed.
- 443002. Dular. 78 IURON. Cultivated. Seed.
- 443003. DV 110. 78 IURON. Cultivated. Seed.
- 443004. Gana 318. 79-80 IRBN. Cultivated. Seed.
- 443005. Holamaldiga. 78 IRLRON. Cultivated. Seed.

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443006. Jaya. India. Cultivated. Seed.

443007. KN 96. 78 IURON. Cultivated. Seed.

443008. KN 361-1-8-6. 78 IURON. Cultivated. Seed.

443009. MRC 172-9. 78 IRBN. Cultivated. Seed.

443010. Palita I-1. Indonesia. Cultivated. Seed.

443011. Salumpikit. 78 HEIURON. Cultivated. Seed.

443012. Surjamukhi. 78 IRBN. Cultivated. Seed.

443013. 62-355. 78 IURON. Cultivated. Seed.

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Smilagrass	441156,442122		Velvetbean	439587-439588
Smooth bromegrass	440183-		Velvetgrass	442500
440204,442457,442874			Vetch	442560
Soft chessgrass	442460		Vine mesquitegrass	441164
Sourclover	442521		Water foxtail	442446
Southern pea	438935-438940,		Watermelon	438671-438677,
441917-441925			441722,442826	
Soybean	437069-438513,440913,		Weeping alkaligrass	440628
441339-441383,442003-442045,			Weeping lovegrass	442104-
442834			442108	
Spanish bromegrass	442459		West indian gherkin	438570,
Sparrow vetch	440777-440779		438678-438679,441991,442176	
Sprenger asparagus	441977		Wheatgrass	442441
Squash	438548-438553,438576-		White clover	440745-440747
438577,438723-438808,442247-			White sweetclover	440548-
442289			440551,442520	
Squirreltail	441270		Wild marigold	441292
Standard crested wheatgrass			Wildrye	442485,442875
439951-439983,442629			Willow oak	441250
Strawberry clover	440727-		Wilman lovegrass	442109-442113
440731			Winged bean	438925
Sugarcane	440819-440839,440902		Winter squash	438573-438575,
Sun-Dial Lupine	442515		442790	
Sunflower	441983-441985,442052-		Winterfat	441040-441042

Wood bluegrass	442544	
Yard-long bean	438934	
Yarrow	439888-439896	
Yellow bluestem	439029,440163-	
	440169	
Yellow foxtail	442550	
Yellow pea	442503	
Yellow sweetclover	440553-	
	440564,442522	
Zig-zag clover	440732-440733	
Zoysia	438983-439003	